

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPECTION ☒ OIL WELL SUB. REPORT/abd.

9/12/19 Equitable to Inland eff. 9-30-92:

Location Change 6-23-81

* Operator name change 10-6-82 * 7-7-83

450718 ft CKM to Equitable eff 5-22-95 960401 Oper. Nm. Chg.

DATE FILED 4-3-81

LAND: FEE & PATENTED

STATE LEASE NO.

3452 ^{ml} 3453-B

PUBLIC LEASE NO.

INDIAN

DRILLING APPROVED: 4-22-81

SPUDDED IN: 6-25-81

COMPLETED: 10-21-81 P.O.W. PUT TO PRODUCING: 10-22-81

INITIAL PRODUCTION: 11.68 BOPD, 3.3 BWPD

GRAVITY A.P.I. 33°

GOR:

PRODUCING ZONES: 4143- 4552

TOTAL DEPTH: 5750

WELL ELEVATION: 5289

DATE ABANDONED:

FIELD: Undesignated MONUMENT BUTTE

UNIT:

COUNTY: Duchesne

WELL NO. K. Jorgensen State #16-4

API NO. 43-013-30572

LOCATION -660- FT. FROM (X) (S) LINE.

660

FT. FROM (E) (X) LINE.

SE SE

1/4 - 1/4 SEC. 16

1984

* NE

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

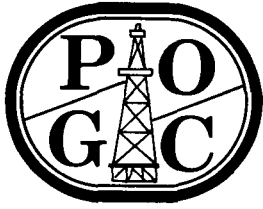
SEC.

OPERATOR

Inland Prod. Co.

Equitable Resources

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River 4134	Frontier	Phosphoria	Elbert
	Dakota	Park City	McCracken
DOUGLAS 4552	Burro Canyon	Rico (Goodridge)	Aneth
	Cedar Mountain	Supai	Simonson Dolomite
	Buckhorn	Wolfcamp	Sevy Dolomite
	JURASSIC	CARBON I FEROUS	North Point
Wasatch 5600	Morrison	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRINITY		



Paradox Oil & Gas Corp.

April 3, 1981

Division of Oil, Gas and Mining
1588 West North Temple Street
Salt Lake City, UT 84116

Attn: Mr. Cleon B. Fight, Director

Dear Mr. Fight:

Paradox Oil & Gas Corporation hereby submits an application for Permit to Drill, designated well APA, K. Jorgenson, St. #16-4, Sec. 16, T.9S. R.17E., Duchesne Co., Utah, for your review and approval.

Well application file includes three copies of the following:

1. State of Utah APD for DOGC-1a with attachment form
2. Survey plat
3. Well location map

**APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING**

DATE: _____

BY: _____

Very truly yours,

L. G. Wells
Agent and CPA

LGW:dj
Enclosures

cc: Mr. Don Prince
State Land Board

RECEIVED

APR 3 1981

DIVISION OF
OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

M.L. #3452

5. Lease Designation and Serial No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil Well ☒Gas Well ☐Other ☐Single Zone ☐Multiple Zone ☐

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

9. Well No.

K. Jorgenson St. 16-4

10. Field and Pool, or Wildcat

~~Monument Butte~~ Undesignated11. Sec., T., R., M., or Blk.
and Survey or AreaSE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 16

T. 9S. R. 17E.

12. County or Parrish 13. State
Duchesne, Utah

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface 660' ~~W~~/S line & 660' ~~E~~/E line Sec. 16

At proposed prod. zone T. 9S. R. 17E. Duchesne Co., Utah S.L.P.M.

Same

SESE

14. Distance in miles and direction from nearest town or post office*

16 miles south, Myton, Utah

15. Distance from proposed* 660' W/E. line
location to nearest
property or lease line, ft.
(Also to nearest drlg. line, if any)

Sec. 16.

16. No. of acres in lease
60017. No. of acres assigned
to this well 4018. Distance from proposed location*
to nearest well, drilling, completed,
or applied for, on this lease, ft.3960' East of
Franciscan 16-7

19. Proposed depth

5900' WASATCH

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

5301' GR. 5314 KB.

22. Approx. date work will start*

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement		
12 $\frac{1}{4}$ "	8-5/8"	32#	250'	Type "G"	Port.	150 sacks
7-7/8"	5 $\frac{1}{2}$ "	15.5#	5800	"	"	800 "

Paradox Oil & Gas, as operator, proposes to drill the K. Jorgenson State #16-4 to a total depth of 5900 feet under the rules, regulations and provisions of the Dept. of Natural Resources Division of Oil, Gas and Mining and in conformity with A.P.I. procedures and approved practices and will follow the provisions and program as outlined on the attached supplemental sheet with Landmark Drilling Corporation as contractor.

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 4-22-81

BY: M. J. Minder

Providing BOP equipment
is up graded to
3000psi working pressure.

RECEIVED
APR 3 1981

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

Kent M. Jorgenson

Title

President

Date

4-3-81

(This space for Federal or State office use)

Permit No.

30572

Approval Date

Approved by.....
Conditions of approval, if any:

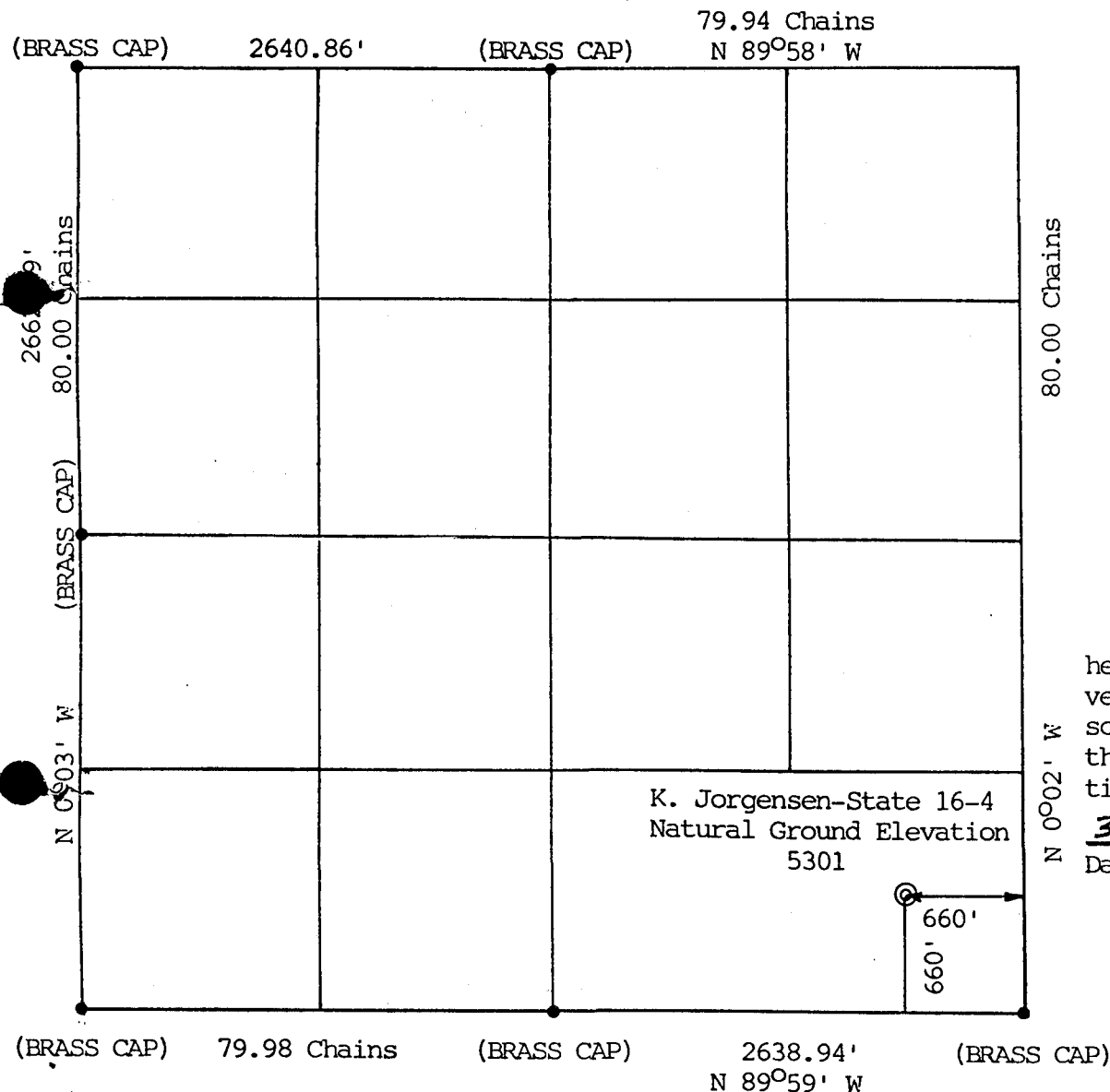
Title

Date

SECTION 16
TOWNSHIP 9 SOUTH, RANGE 17 EAST
SALT LAKE BASE AND MERIDIAN
DUCHESNE COUNTY, UTAH

PARADOX OIL AND GAS CORPORATION

WELL LOCATION: CENTER OF S.E. $\frac{1}{4}$; S.E. $\frac{1}{4}$



SCALE 1"=1000'

SURVEYOR'S CERTIFICATE

I, Clinton S. Peatross, Duchesne, Utah, do hereby certify that I am a Registered Land Surveyor, and that I hold License No. 4779, as prescribed by the laws of the State of Utah, and that I have made a survey of the oil well location, as shown on this plat.

31 MARCH 1981
Date

Clinton S. Peatross
Clinton S. Peatross
License No. 4779



Section data obtained from G.L.O. plat.

Job #47-81

#16-4

1. GEOLOGICAL NAME OF SURFACE FORMATION

(A) Uinta Formation of Tertiary Eocene Age.

2. TOPS OF IMPORTANT GEOLOGICAL MARKERS

(A)	<u>Tops</u>	<u>Formation</u>	<u>Marker - MB</u>
	1270'	Green River	Lacustrine
	2400'	Green River	Evacuation - Cr.
	2860'	Green River	Parachute Cr.
	3520'	Green River	Delta Facies
	4360'	Green River	Douglas Cr.
	5020	Green River	Black Shale facies
	5800	Wasatch	

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL OR GAS

- (A) 2700 Gas, Evacuation Creek Membr
- (B) 4400 Oil and/or gas. Douglas Creek Member
- (C) 5050 Oil and/or gas. Black Shale facies
- (D) 5220 Oil and/or gas or water. Sandstone facies
- (E) 5800 Gas or water

4. PROPOSED CASING PROGRAM

- (A) 250' of 8-5/8" surface casing 32# per foot
5800' of 5-1/2" 15.5# per foot. (K-55)

5. SPECIFICATION FOR PRESSURE CONTROL EQUIPMENT

- (A) 8" ~~2000#~~^{3000#} Dorland bag type B.O.P., and double gate with
Pipe Rams and Blind Rams
- (B) B.O.P. to be pressure tested before spudding and daily
testing of closing units and rams

6. PROPOSED CIRCULATING MEDIUM

- (A) Brine water is proposed to be used unless additional
weight is needed to control pressures or heaving
shale. In this event a chemical-gel fresh water mud
will be used and Barite as needed to control pressure.

7. AUXILIARY EQUIPMENT TO BE USED

- (A) Upper Kelly Cock
- (B) Float At Bit
- (C) Floor T.I.W. Valve (stabbing valve) for drill pipe
- (D) Gas Detector Logging Unit

8. TESTING, LOGGING AND CORING PROGRAM

- (A) Will run dual laterallog, BHC, and CNL - FDC and Sonic
- (B) No coring or drilling stem testing are programmed. Formation testing will be accomplished after setting production casing.

9. ANTICIPATED ABNORMAL PRESSURES, TEMPERATURES OR HAZARDS

- (A) No abnormal pressures expected
- (B) No Hydrogen Sulfide Gas expected

10. STARTING DATE AND DURATION OF OPERATIONS

- (A) Anticipated starting drilling on or before May 10, 1981. Depending on approval by controlling governmental agency
- (B) This well is anticipated to be drilled in approximately 30 days

** FILE NOTATIONS **

DATE: April 10, 1981OPERATOR: Paradox Oil & Gas Corp.WELL NO: K. Jorgenson State 16-4Location: Sec. 16 T. 9S R. 17E County: DuchesneFile Prepared: ☒Entered on N.I.D.: ☐Card Indexed: ☒Completion Sheet: ☒API Number 43-013-30572

CHECKED BY:

Petroleum Engineer: M. J. Winder4-22-81 providing BOP equipment is up graded to 3000 psi working pressure.

Director: _____

Administrative Aide: OK as perOK as per C-3 spacing OK on Indrus; OK on any other oil & gas wells.

APPROVAL LETTER:

Bond Required: ☐Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐Lease Designation STPlotted on Map ☐Approval Letter Written ☒Hot Line ☒P.I. ☒

April 29, 1981

Paradox Oil & Gas Corporation
4764 South 900 East
Salt Lake City, Utah 84117

Re: Well No. K. Jorgenson State 16-4
Sec. 16, T. 9S, R. 17E, SE SE
Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure. (Approval conditional that BOP equipment is upgraded to 3000 psi pressure).

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30582.

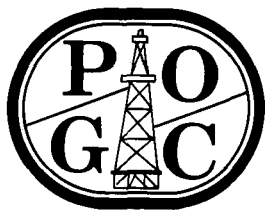
Sincerely,

DIVISION OF OIL, GAS, AND MINING

M. T. Minder
Michael T. Minder
Petroleum Engineer

MTM/ko

cc: State Land Board, Donald Prince



Paradox Oil & Gas Corp.

June 15, 1981

JUN 16

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
1588 West North Temple Street
Salt Lake City, Utah 84116

DIVISION OF
OIL, GAS & MINING

Attn: Mr. Cleon B. Feight, Director

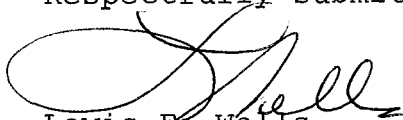
Dear Jack:

Paradox Oil & Gas Corporation requests a location change for the K. Jorgenson State No. 16-4 in the SE $\frac{1}{4}$ of SE $\frac{1}{4}$ of section 16 T 9S. R17E., Duchesne County. The #16-4 was approved on April 22, API Well #43-013-30572 for a 5900 foot Tertiary Wasatch test.

The reason for the location change is to better space the wells in section 16 and conform to the spacing pattern based on the locations of #16-1, #16-2, #16-3 and #16-5.

Two copies of the new survey are included. The new well slot would be the C-NE $\frac{1}{4}$ of SE $\frac{1}{4}$, in section 16 with a ground elevation of 5277 feet.

Respectfully submitted,


Lewis P. Wells
CPG, Agent

LFW:dj
Enclosure

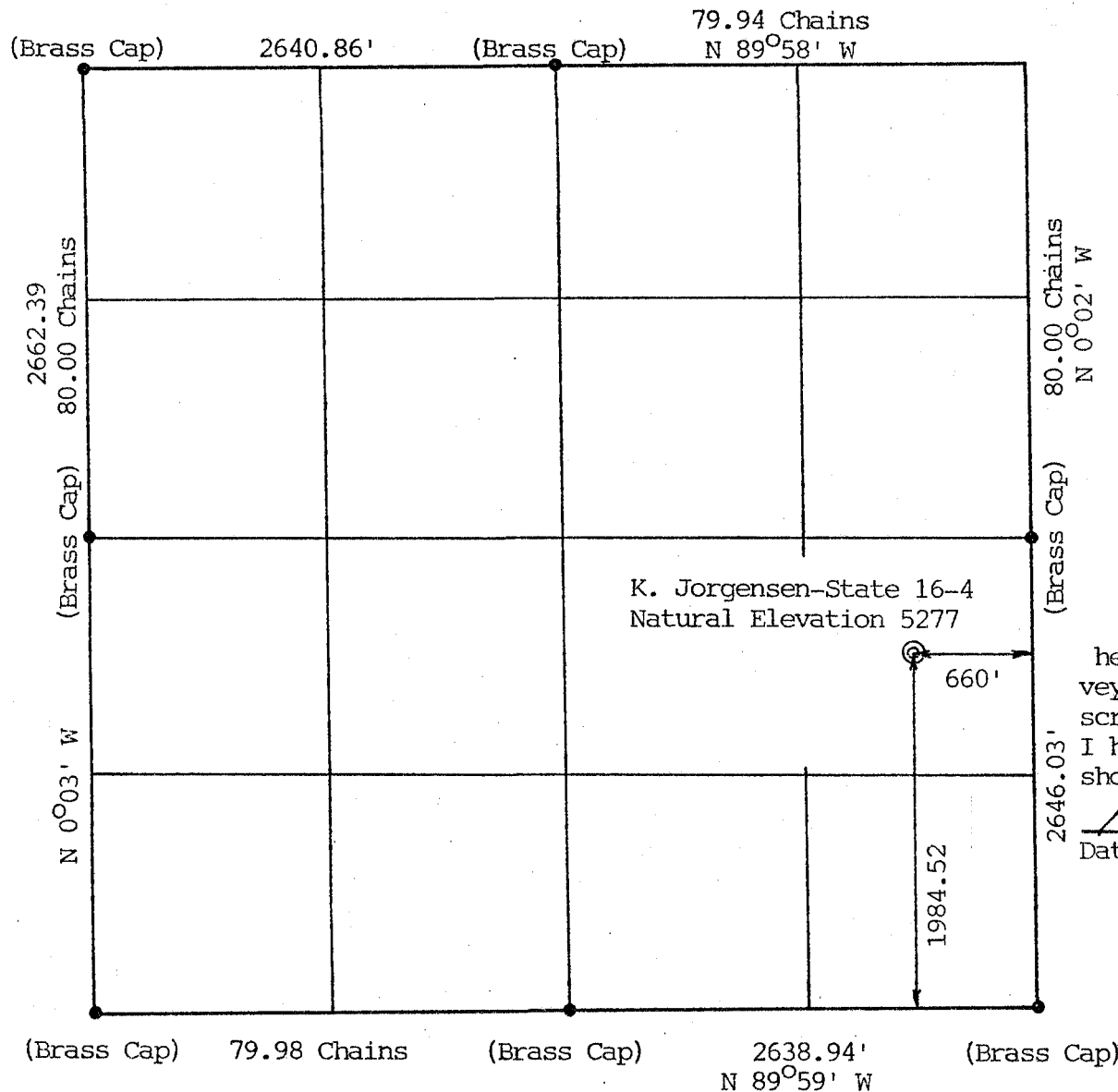
cc: Donald Prince
Larry Rigby

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING
DATE: 6-23-81
BY: M. J. Minder

SECTION 16
TOWNSHIP 9 SOUTH, RANGE 17 EAST
SALT LAKE BASE AND MERIDIAN
DUCHESNE COUNTY, UTAH

PARADOX OIL AND GAS CORPORATION

WELL LOCATION: CENTER N.E.¼, S.E.¼



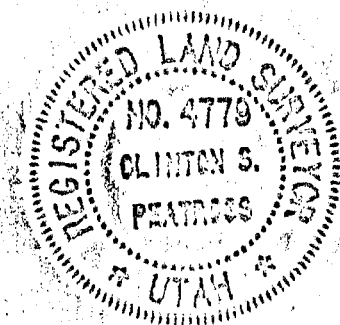
SCALE 1"=1000'

SURVEYOR'S CERTIFICATE

I, Clinton S. Peatross, Duchesne, Utah, do hereby certify that I am a Registered Land Surveyor, and that I hold License No. 4779, as prescribed by the laws of the State of Utah, and that I have made a survey of the oil well location, as shown on this plat.

1 JUNE 1981
Date

Clinton S. Peatross
Clinton S. Peatross
License No. 4779 (Utah)



Section data obtained from G.L.O. plat.
Job #57-81



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 4, 1982

Paradox Oil & Gas Corporation
4764 South 900 East
Salt Lake City, Utah 84117

Re: Well No. K. Jorgenson State 16-4
Sec. 16, T. 9S, R. 17E
Duchesne County, Utah

Gentlemen:

In reference to the above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 5, 1982

Paradox Oil & Gas Corporation
4764 South 900 East
Salt Lake City, Utah 84117

Re: Well No. K. Jorgensen State #16-4
Sec. 16, T. 9S, R. 17E.
Duchesne County, Utah
FINAL NOTICE

Gentlemen:

In reference to the above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill this well, and action will be taken to terminate the application. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 13, 1982

Paradox Oil & Gas Corporation
4764 South 900 East
Salt Lake City, Utah 84117

Re: Well No. K. Jorgensen State #16-4
Sec. 16, T. 9S, R. 17E.
Duchesne County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

**This office has received information that this well has been producing since October 1981. We need this report to complete our files.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 30, 1982

Landmark Drilling Corporation
2225 East 4800 South
Salt Lake City, Utah 84117

Re: Well No. K. Jorgensen
State #16-4
Sec. 16, T. 9S, R. 17E.
Duchesne County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

****If we do not hear from your office within fourteen days, this file will be turned over to the Attorney at the Division of Oil, Gas and Mining for legal action.**

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

CF/cf
Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML 3453
2. NAME OF OPERATOR CK Resources		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 2334 Sugarloaf Lane, Sandy, Utah 84092		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE 1/4, NW 1/4 660' FEL, 1984' FSL		8. FARM OR LEASE NAME
14. PERMIT NO. 43-013-30572		9. WELL NO. K. Jorgenson St 16-4
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5289.5, GL 5217		10. FIELD AND POOL, OR WILDCAT Undesignated
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 16 T9S, R17E
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

Operator Change ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Change operator name from; Paradox Oil and Gas

to; CK Resources
2334 Sugarloaf Lane
Sandy, Utah 84092

Agent; Dean V. Power

18. I hereby certify that the foregoing is true and correct

SIGNED

Dean V. Power

TITLE

V.P. Production

DATE

Oct. 6, 1982

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 29, 1982

CK Resources
2334 Sugarloaf Lane
Sandy, Utah 84092

Re: Well No. K. Jorgensen State #16-4
Sec. 16, T. 9S, R. 17E.
Duchesne County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

** If we do not hear from your office within fourteen days, this file will be turned over to the attorney at the Division of Oil, Gas and Mining for legal action.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

CF/cf
Enclosure

C K RESOURCES INC

OIL • GAS • OIL SHALE • EXPLORATION & PRODUCTION
2334 Sugarloaf Lane, Sandy Utah 84092

November 1, 1982

State of Utah
Natural Resources & Energy
Oil, Gas and Mining
4241 State Office Bldg.
Salt Lake City, Utah 84114

Re; Well No. K. Jorgensen State #16-4
Sec. 16, T9S, R17E County of Duchesne

Sirs;

We are dismayed to learn from your letter of October 29 that Paradox Oil and Gas has not yet complied with the requirements to file a completion report on the subject well. While we feel that the responsibility should remain with Paradox to fill this requirement we also understand the need for the state files to be as complete as possible. We have therefore prepared a report using the files in the possession of Landmark Corp. in as much as Paradox apparently has no records. This report is attached and reflects all the data available to us.

Also attached are the August and September DOGC-4 report forms for the wells 16-2, 16-3, 16-4 and 16-5. We are not able to complete the Conservation tax and other forms that require value of product because the paper-work has not yet cleared Amoco. As soon as this information is available these reports will be forthcoming.

Thank you for your patience during this start-up period.

Very sincerely,



Dean V. Power
Vice President, Production

DVP/mkp
Enclosures

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. ML 3453																																									
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____																																									
2. NAME OF OPERATOR C. K. Resources		7. UNIT AGREEMENT NAME _____																																									
3. ADDRESS OF OPERATOR 2334 Sugarloaf Lane, Sandy, Utah 84092		8. FARM OR LEASE NAME _____																																									
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660'FEL, 1984'FSL At top prod. interval reported below same At total depth same		9. WELL NO. K. Jorgenson St 16-4																																									
14. PERMIT NO. 30572		DATE ISSUED 4-22-81																																									
15. DATE SPUNDED 6-25-81		16. DATE T.D. REACHED 7-24-81																																									
17. DATE COMPL. (Ready to prod.) 10-21-81		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* KB 5289, 5 GL 5217																																									
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 5750'																																									
21. PLUG, BACK T.D., MD & TVD 5713'		22. IF MULTIPLE COMPL., HOW MANY* →																																									
23. INTERVALS DRILLED BY →		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4143-4155, 4444-4458, 4542-4552																																									
25. WAS DIRECTIONAL SURVEY MADE		26. TYPE ELECTRIC AND OTHER LOGS RUN DIFL, DNCR, CBL																																									
27. WAS WELL CORED		28. CASING RECORD (Report all strings set in well)																																									
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33. PRODUCTION																																											
DATE FIRST PRODUCTION 10-22-81 approx		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) pumping																																									
WELL STATUS (Producing or shut-in) producing																																											
DATE OF TEST 4-1-82	HOURS TESTED 24	CHOKE SIZE none	PROD'N. FOR TEST PERIOD →																																								
FLOW, TUBING PRESS. 0	CASING PRESSURE 0	CALCULATED 24-HOUR RATE →																																									
OIL—BSL. 11.68	GAS—MCF. 3.3	WATER—BSL. 3.3	OIL GRAVITY-API (CORR.) 33°																																								
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) used for fuel		TEST WITNESSED BY pumper																																									
35. LIST OF ATTACHMENTS Logs DIFL, DNCR, CBL																																											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																																											
SIGNED _____		TITLE V. P. Production																																									
		DATE Nov.1, 1982																																									

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Green River	4134	4552	Sand			
Douglas	4552	5600	Shale			
Wasatch	5600	TD	Sand			

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. ML 3453-B & C
2. NAME OF OPERATOR CKM Resources, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 2334 Sugarloaf Lane Sandy, Utah 84092		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface State Leases Sec 16 T9S R17E		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO.
15. ELEVATIONS (Show whether DF, RT, GR, etc.)		10. FIELD AND POOL, OR WILDCAT Monument Butte
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA S 16, T9S, R17E
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) Corporate Name Change
☒

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).*

Corporate Name Change Only
Previously: C.K. Resources, Inc.
New Name: CKM Resources, Inc.

18. I hereby certify that the foregoing is true and correct

SIGNED

Dean Power

TITLE

Vice President

DATE

7/7/83

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML 3453-B
2. NAME OF OPERATOR CKM Resources		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 2334 Sugarloaf Lane, Sandy, Utah 84092		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE $\frac{1}{4}$ SE $\frac{1}{4}$, 1984' FSL, 660" FEL		8. FARM OR LEASE NAME
14. PERMIT NO. 43-103-30572		9. WELL NO. State 16-4
15. ELEVATIONS (Show whether OF, RT, GR, etc.) GL 5277		10. FIELD AND POOL, OR WILDCAT Undesignated
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 16, T9S, R17E
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input checked="" type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Workover: Period 5/22/84 to 6/29/84

Perforate and frac new zones in Green River

- 5494-5506, 5511-5516 and 5519-5523 @ 2 holes/ft.
Frac'ed w/ gel water and 390 sks of 20-40 sand.
- 5306-5310 @ 2 holes/ft. Frac'ed w/gel water and 200 sks 20-40 sand.

Refrac'ed zones.

4134-4155, 4444-4458 and 4542-4552

Frac'ed w/gel water and 1500 sks 20-40 sand in 3 stages w/balls.

Squeeze cemented zone at 4134-4155 in 2 stages. Held 2500 #'s pressure.

18. I hereby certify that the foregoing is true and correct

SIGNED Dean M. Power

TITLE Vice President

DATE July, 9 1984

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

42013.30572
Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

111822

November 18, 1986

Mr. Dean Power
CKM Resources
2334 Sugarloaf Lane
Sandy, Utah 84092

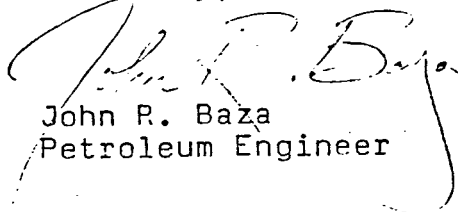
Dear Mr. Power:

RE: Wells in Sec.16, T.9S, R.17E, Duchesne County, Utah

The following is a list of the actions requested by the Division of Oil, Gas and Mining for the wells operated by your company in the referenced township. These actions will help eliminate the potential fire hazard and pollution control problems caused by poor housekeeping on the individual leases.

- State #16-2, - Remove trash and rusted pipes.
- State #16-3, - Clean-up oil spills and barrels around pump jack, remove trash.
- State #16-4, - Clean-up oil spills and barrels around pump jack, remove trash.
- State #16-5, - Clean-up oil spill near tank battery, remove trash from production pit and location.
- State #16-6, - Put up fence around reserve pit, remove plastic bucket from top of surface casing and properly cap.

Sincerely,


John R. Baza
Petroleum Engineer

ED/sb
cc: D.R.Nielson
R.J.Firth
Well files
0181T-10



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF STATE LANDS AND FORESTRY

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Patrick D. Spurgin
Division Director

355 West North Temple
3 Triad Center, Suite 400
Salt Lake City, Utah 84180-1204
801-538-5508

June 13, 1990

CERTIFIED MAIL NO. P 879 610 673

CKM Resources, Inc.
Attn: Dean V. Power
2334 Sugarloaf Lane
Sandy, UT 84092

Gentlemen:

RE: State of Utah Oil, Gas, and Hydrocarbon Lease ML 3453-B

On February 15, 1990 and again on March 30, 1990, you were advised by letters from this office of several compliance problems regarding wells under State of Utah Oil, Gas, and Hydrocarbon Lease ML 3453-B.

As a follow-up to these letters, a representative of this Division visited all the locations under this lease during the morning of June 6, 1990. All of the locations visited are cluttered with debris and stand in a state of disrepair. Additionally, several wells have spilled oil which has pooled around the well heads. Of immediate concern is the Sue Morris 16-3 well where spilled oil has covered a considerable expanse of the location.

Again, as mentioned in previous letters, these violations are in direct conflict with the terms and conditions of State of Utah Oil, Gas, and Hydrocarbon Lease ML 3453-B, as well as the Rules of this Division and the Division of Oil, Gas, and Mining.

Please be advised that action must immediately be initiated to remedy the violations as observed. If this situation is not remedied within the next fifteen days from the date of this letter, this Division will pursue a release of your surety funds from Money Market Certificate No. 144975 with First Interstate Bank and proceed with reclamation of these locations. I trust that you sense the seriousness of these violations.

Please contact Mr. John Baza of the Division of Oil, Gas, and Mining or myself should you have questions concerning this matter.

Sincerely,

EDWARD W. BONNER
MINERALS SECTION MANAGER

EWB/eb



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

June 13, 1995

**State of Utah
Division of Oil, Gas and Mining
3 Triad Center
Suite 350
Salt Lake City, UT 84180**

Gentlemen:

Enclosed are notices of Change of Operator for five wells for which we took over operations from CKM Resources.

I would appreciate it if you would send a copy of the approved notices to my attention.

If you have any questions, please give me a call at (406) 259-7860.

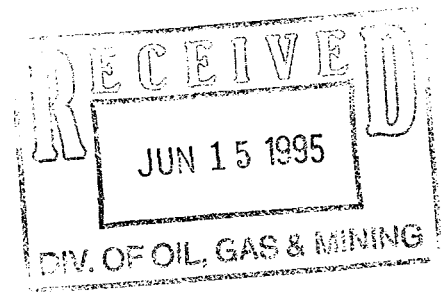
Sincerely,

Bobbie Schuman

**Bobbie Schuman
Regulatory and
Environmental Specialist**

/hs

Enclosures



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well

Footages: 1984' FSL, 660' FEL

QQ, Sec., T., R., M.: NE SE Section 16, T9S, R17E

5. Lease Designation and Serial Number:

State #ML-3453-B

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

n/a

8. Well Name and Number:

K. Jorgenson State #16-4

9. API Well Number:

43-013-30572

10. Field and Pool, or Wildcat:

Monument Butte/Green River

County: Duchesne

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of operator</u> | |

Date of work completion _____

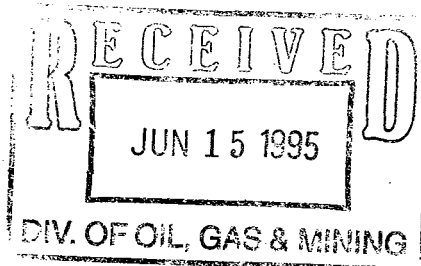
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Equitable Resources Energy Company, Balcron Oil Division has taken over operations of this wellsite from CKM Resources (c/o Richard A. Davis, Bankruptcy Trustee, 2127 West Charleston, Las Vegas NV89102).

Effective May 22, 1995.



13.

Name & Signature:

Bobbie Schuman
Bobbie Schuman

Title:

Regulatory and

Environmental Specialist Date: June 13, 1995

(This space for State use only)

**EQUITABLE RESOURCES
ENERGY COMPANY****BALCRON OIL DIVISION**1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860

FAX: (406) 245-1365 ☐FAX: (406) 245-1361 ☒**TELECOPIER TRANSMITTAL SHEET**

Our telecopier number is: (406) 245-1361

DATE: 6-26-95
TO: Lisha Cordova
COMPANY: Utah DOGM
FROM: Bobbie Schuman

Total Number of Pages 3 (Including this cover sheet)IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL BACK AS SOON
AS POSSIBLE AT (406) 259-7860.

TELECOMMUNICATOR: _____

SPECIAL INSTRUCTIONS: Re: CKM properties
As we discussed this morning.
Let me know if there's
anything else you need.

*6/26/95 Copy to Ed Benner / Trust Lands Admin. file

NOTE: THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS PRIVILEGED AND CONFIDENTIAL, AND IS INTENDED ONLY FOR THE USE OF THE INDIVIDUALS OR ENTITY NAMED ABOVE WHO HAVE BEEN SPECIFICALLY AUTHORIZED TO RECEIVE IT. IF THE READER IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN ALL PAGES TO THE ADDRESS SHOWN ABOVE. THANK YOU.

RECEIVED MAY 2 8.235

RECEIVED
AND FILED

May 22 3 13 PM '95

UNITED STATES
BANKRUPTCY COURT
PATRICIA GRAY
CLERK

MAY 23 1995

Entered on docket:

1 Lenard E. Schwartz, Esq.
 2 Georganne W. Bradley, Esq.
 3 HALE, LANE, PEEK, DENNISON
 4 AND HOWARD
 5 2300 West Sahara Avenue
 6 Suite 800, Box 8
 7 Las Vegas NV 89102
 8 (702) 362-5118
 9 Nevada Bar No. 0399
 10 Nevada Bar No. 1105

11 Attorneys for Trustee
 12 Richard A. Davis

13 UNITED STATES BANKRUPTCY COURT
 14 DISTRICT OF NEVADA

15 In re

BK-S-89-23818 LBR
 Chapter 7

16 CKM RESOURCES, INC.

Motion No. 95 MS 20129

ORDER RE SALE OF ESTATE'S
 INTEREST IN OIL PROPERTIES
 (PLEASANT VALLEY, DUCHESNE
 COUNTY, UTAH)

17 Debtor.

DATE: April 27, 1995
 TIME: 9:30 a.m.

18
 19 The Trustee's Motion to Sell Estate's Interest in Oil
 20 Properties (Pleasant Valley, Duchesne County, Utah) having come
 21 before this Court after notice to all creditors and parties in
 22 interest, the Court having read the papers and pleadings on file,
 23 heard the argument of counsel, accepted further bids in open Court,
 24 and good cause appearing, it is

25 ORDERED that the Estate's interest in oil properties, that is,
 26 ownership of working and net revenue interests in wells, equipment,
 27 reserves and leasehold acreage of Lease No. ML-3453-B in the
 28 proposed Pleasant Valley Waterflood Unit in Duchesne County, Utah

1 (the "Property") be sold to Equitable Resources Energy Company,
 2 Balcron Oil Division ("Balcron") for \$160,000 to be paid 11 days
 3 after entry of this Order, and it is further

4 ORDERED that, if Balcron shall fail to pay the purchase price
 5 in a timely manner, the Property shall be sold to Western States
 6 International, Inc. for \$155,000 to be paid 30 days after notice of
 7 Balcron's failure to purchase the Properties, and it is further

8 ORDERED that Balcron shall immediately take over operation of
 9 the Property until closing of the sale.

10 DATED: May 22, 1995.

11
 12 LINDA B. RIEGLE
 13 LINDA B. RIEGLE
 14 U.S. Bankruptcy Court Judge

15 HALE, LANE, PEEK, DENNISON
 16 AND HOWARD

17 By [Signature]
 18 Lenard E. Schwartz
 19 Suite 800, Box 8
 20 2300 West Sahara Avenue
 21 Las Vegas NV 89102
 22 Attorneys for Trustee

23 APPROVED / DISAPPROVED

24 By [Signature]
 25 Joseph H. Williams, Esq.
 26 520 S. Fourth - #310
 27 Las Vegas, Nevada 89101
 28 Attorney for Debtor

SENT TO JOSEPH H. WILLIAMS ON
 MAY 2, 1995 - NOT RETURNED

Hale, Lane, Peek, Dennison and Howard
 2300 W. Sahara Avenue, Suite 800, Box 8
 Las Vegas, Nevada 89102
 (702) 362-5118

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

Routing:

1-IEC	7-PL
2-LWP	8-SJ
3-DTS	9-FILE
4-VLC	
5-RJF	
6-LWP	

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 5-22-95)

TO (new operator) EQUITABLE RESOURCES ENERGY
(address) BALCRON OIL DIVISION
PO BOX 21017
BILLINGS MT 59104
phone (406) 259-7860
account no. N 9890

FROM (former operator) C K M RESOURCES
(address) 2334 SUGARLOAF LN
SANDY UT 84093-1163
phone (801) 942-1797
account no. N 2090

Well(s) (attach additional page if needed):

*These are all
in section 16*

Name: <u>STATE 16-2/GRRV</u>	API: <u>43-013-30552</u>	Entity: <u>1451</u>	Sec: <u>9S</u> Twp: <u>17E</u> Rng: <u></u>	Lease Type: <u>ML3453B</u>
Name: <u>SUE MORRIS 16-3/GRRV</u>	API: <u>43-013-30562</u>	Entity: <u>1450</u>	Sec: <u>9S</u> Twp: <u>17E</u> Rng: <u></u>	Lease Type: <u>ML3453B</u>
Name: <u>K JORGENSEN ST 16-4/GR</u>	API: <u>43-013-30572</u>	Entity: <u>1452</u>	Sec: <u>9S</u> Twp: <u>17E</u> Rng: <u></u>	Lease Type: <u>ML3453B</u>
Name: <u>D DUNCAN ST 16-5/GRRV</u>	API: <u>43-013-30570</u>	Entity: <u>1453</u>	Sec: <u>9S</u> Twp: <u>17E</u> Rng: <u></u>	Lease Type: <u>ML3453B</u>
Name: <u>STATE 16-6</u>	API: <u>43-013-31145</u>	Entity: <u>11195</u>	Sec: <u>9S</u> Twp: <u>17E</u> Rng: <u></u>	Lease Type: <u>ML3453B</u>
Name: <u></u>	API: <u></u>	Entity: <u></u>	Sec: <u></u> Twp: <u></u> Rng: <u></u>	Lease Type: <u></u>
Name: <u></u>	API: <u></u>	Entity: <u></u>	Sec: <u></u> Twp: <u></u> Rng: <u></u>	Lease Type: <u></u>

OPERATOR CHANGE DOCUMENTATION

- Lec* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Court Order 5-22-95)*
- Lec* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Check 6-15-95)*
- N/A* 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) If yes, show company file number:
- N/A* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Lec* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(7-14-95)*
- Lec* 6. Cardex file has been updated for each well listed above. *7-18-95*
- Lec* 7. Well file labels have been updated for each well listed above. *7-18-95*
- Lec* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(7-14-95)*
- Lec* 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (~~Fee wells only~~) * Trust Lands / Bond OK (Aprv. 7/95)

- Yes 1. (Rule R615-3-1) The new operator of any ~~fee~~ lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) _____. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- ____ 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- DT's 2. Copies of documents have been sent to State Lands for changes involving **State leases**.
7/12-95 to Ed Bonner

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: July 21 1995.

FILING

- ____ 1. Copies of all attachments to this form have been filed in each well file.
- ____ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

Speed Letter®

To Ed Bonner

From Don Staley

~~XXXXXX~~ SCHOOL & INSTITUTIONAL
~~XXXXXX~~ TRUST LANDS ADMIN.

Oil, Gas and Mining

Subject Operator Change

— No. 9 & 10 FOLD

MESSAGE

Date 7/19 19 95

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s). These companies have complied with our requirements. Our records have been updated. Bonding should be reviewed by State Lands ASAP.

Former Operator: CKM Resources (N2090)

New Operator : Equitable Resources Energy (N9890)

Well:

API:

Entity:

A11 ML3453B

S-T-R:

STATE 16-2

43-013-30552

01450

16-95-17E

SUE MORRIS 16-3

43-013-30562

01450

K Jorgenson St 16-4

43-013-30572

01452

"

D Duncan St 16-5

43-013-30570

01453

"

State 16-6

43-013-31145

11195

"

— No. 9 FOLD

— No. 10 FOLD

CC: Operator File

Signed

Don

REPLY

Date _____ 19 _____

— No. 9 & 10 FOLD

Signed

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite. 350, Salt Lake City, UT 84180-1203

Page 1 of 11

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION
 EQUITABLE RESOURCES ENERGY
 1601 LEWIS AVE
 BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 3 / 96AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ BOLL WEEVIL FED 26-13								
4301330770	00035	08S 16E 26	GRRV					
✓ CASTLE PK ST 43-16								
4301330594	01181	09S 16E 16	GRRV					
✓ CHORNEY FED 1-9								
4304730070	01260	09S 19E 9	GRRV					
✓ CASTLE PK FED 24-10A								
4301330555	01281	09S 16E 10	GRRV					
✓ HENDEL FED 1-17								
4304730059	01305	09S 19E 17	GRRV					
✓ HENDEL FED 3-17								
4304730074	01305	09S 19E 17	GRRV					
✓ HENDEL FED. 1-9								
4304720011	01310	09S 19E 9	GRRV					
✓ PARIETTE BENCH FED 14-5								
4304731123	01335	09S 19E 5	GRRV					
✓ PARIETTE BENCH UNIT 2								
4304715680	01345	09S 19E 7	GRRV					
✓ PARIETTE BENCH FED 41-7								
4304731584	01346	09S 19E 7	GRRV					
✓ STATE 16-2								
4301330552	01451	09S 17E 16	GRRV					
✓ K JORGENSEN ST 16-4								
4301330572	01452	09S 17E 16	GRRV					
✓ PARIETTE BENCH FED 32-6								
4304731554	09885	09S 19E 6	GRRV					
TOTALS								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

UTAH

Getty #7-C	Monument Butte	NE NW	7	9S	17E	Duchesne	UT	Oil	Green River	U-44426	43-013-30961	1129' FNL, 2229' FWL	Vernal	Jonah
Goates Federal #1	Monument Butte	SE SW	11	9S	16E	Duchesne	UT	Oil	Green River	U-096547	43-013-15789	793' FSL, 2088' FWL	Vernal	Jonah
Goates Federal #3	Monument Butte	NW NW	14	9S	16E	Duchesne	UT	Oil	Green River	U-096547	43-013-15791	790' FNL, 790' FWL	Vernal	Jonah
Hendel Federal #1	Pariette Bench	SW SW	9	9S	19E	Uintah	UT	Oil	Green River	U-058149	43-047-20011	560' FSL, 500' FWL	Vernal	
Hendel Federal #1-17	Pariette Bench	NE NW	17	9S	19E	Uintah	UT	Oil	Green River	U-017991	43-047-30059	660' FNL, 1979' FWL	Vernal	
Hendel Federal #3-17	Pariette Bench	SW NW	17	9S	19E	Uintah	UT	OSI	Green River	U-017991	43-047-30074	1980' FNL, 660' FEL	Vernal	
K. Jorgenson State #16-4	Monument Butte	NE SE	16	9S	17E	Duchesne	UT	OSI	Green River	State ML-3453-B	43-013-30572	1984' FSL, 660' FEL		
Maxus Federal #23-8	Monument Butte	NE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31196	1847' FSL, 1947' FWL	Vernal	Beluga
Mocon Federal #44-7	Monument Butte	SE SE	7	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-30666	670' FSL, 663' FEL	Vernal	Beluga
Monument Butte #1-13	Monument Butte	NW SW	1	9S	16E	Duchesne	UT	WIW	Green River	U-18399	43-013-30702	1820' FSL, 685' FWL	Vernal	Jonah
Monument Butte #1-14	Monument Butte	SW SW	1	9S	16E	Duchesne	UT	Oil	Green River	U-18399	43-013-30703	820' FSL, 820' FWL	Vernal	Jonah
Monument Butte #1-23	Monument Butte	NE SW	1	9S	16E	Duchesne	UT	Oil	Green River	U-18399	43-013-30646	1980' FSL, 1980' FWL	Vernal	Jonah
Monument Butte #1-24	Monument Butte	SE SW	1	9S	16E	Duchesne	UT	WIW	Green River	U-18399	43-013-30701	820' FSL, 1950' FWL	Vernal	Jonah
Monument Butte #1-33	Monument Butte	NW SE	1	9S	16E	Duchesne	UT	WIW	Green River	U-52013	43-013-30735	1980' FSL, 1980' FEL	Vernal	Jonah
Monument Butte #1-34	Monument Butte	SW SE	1	9S	16E	Duchesne	UT	Oil	Green River	U-52013	43-013-30736	710' FSL, 1980' FEL	Vernal	Jonah
Monument Butte #1-43	Monument Butte	NE SE	1	9S	16E	Duchesne	UT	Oil	Green River	U-52013	43-013-30734	1980' FSL, 660' FEL	Vernal	Jonah
Monument Federal #11-11-9-17Y	Monument Butte	NW NW	11	9S	17E	Duchesne	UT	PND	Green River	U-65210		656' FNL, 741' FWL	Vernal	
Monument Federal #11-22-9-16Y	Monument Butte	NW NW	22	9S	16E	Duchesne	UT	PND	Green River	U-64379			Vernal	
Monument Federal #12-11-9-17Y	Monument Butte	SW NW	11	9S	17E	Duchesne	UT	PND	Green River	U-65210			Vernal	
Monument Federal #13-22-8-17Y	Monument Butte	NW SW	22	8S	17E	Duchesne	UT	PND	Green River	U-67845		1446' FSL, 863' FWL	Vernal (Private sfc)	
Monument Federal #14-21-9-18Y	8 Mile Flat	SW SW	21	9S	18E	Uintah	UT	PND	Green River	U-68105		700' FSL, 550' FWL	Vernal	
Monument Federal #14-22-8-17	Monument Butte	SW SW	22	8S	17E	Duchesne	UT	PND	Green River	U-67845			Vernal	
Monument Federal #21-23-9-17Y	Monument Butte	NE NW	23	9S	17E	Uintah	UT	PND	Green River	U-68102		773' FNL, 1809' FWL	Vernal	
Monument Federal #22-20-9-16	Monument Butte	SE NW	20	9S	16E	Duchesne	UT	PND	Green River	U-52018				
Monument Federal #23-17-9-17B	Monument Butte	NE SW	17	9S	17E	Duchesne	UT	PND	Green River	UTU-74108		2217' FSL, 2187' FWL	Vernal	Beluga
Monument Federal #23-22-8-17Y	Monument Butte	NE SW	22	8S	17E	Duchesne	UT	PND	Green River	U-67845			Vernal (Private sfc.)	
Monument Federal #24-17-9-16	Monument Butte	SE SW	17	9S	16E	Duchesne	UT	PND	Green River	U-52018			Vernal	
Monument Federal #31-5-9-17	Monument Butte	NW NE	5	9S	17E	Duchesne	UT	PND	Green River	U-74808				
Monument Federal #31-10-9-17Y	Monument Butte	NW NE	10	9S	17E	Duchesne	UT	PND	Green River	U-65210		660' FNL, 1980' FEL	Vernal	
Monument Federal #31-22-8-17	Monument Butte	NW NE	22	8S	17E	Duchesne	UT	PND	Green River	U-67845		1036' FNL, 2338' FEL	Vernal (Private sfc.)	
Monument Federal #32-10-9-17Y	Monument Butte	SW NE	10	9S	17E	Duchesne	UT	PND	Green River	U-65210		1900' FNL, 1980' FEL	Vernal	
Monument Federal #32-20-9-18Y	8 Mile Flat	SW NE	20	9S	18E	Uintah	UT	PND	Green River	U-64917		1980' FNL, 1980' FEL	Vernal	
Monument Federal #33-6-9-16Y	Monument Butte	NW SE	6	9S	16E	Duchesne	UT	PND	Green River	U-74390		1850' FSL, 1850' FEL	Vernal	
Monument Federal #32-22-8-17	Monument Butte	SW NE	22	8S	17E	Duchesne	UT	PND	Green River	U-67845		1980' FNL, 1980' FEL	Vernal (Private sfc.)	
Monument Federal #33-17-9-17B	Monument Butte	NW SE	17	9S	17E	Duchesne	UT	PND	Green River	U-72106		1926' FSL, 2000' FEL	Vernal	Beluga



EQUITABLE RESOURCES
ENERGY COMPANY

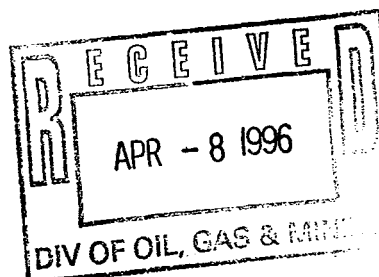
BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining
355 West North Temple
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman
Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

See attached listing

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See attached listing

8. Well Name and Number:

See attached listing

9. API Well Number:

See attached listing

10. Field and Pool, or Wildcat:

See attached listing

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:

1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well

Footages: See attached listing

County: See attached list

QQ, Sec., T., R., M.:

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

APR - 8 1996

13.

Name & Signature:

Bobbie Schuman
Bobbie Schuman

Regulatory and

Title: Environmental Specialist Date: March 27, 1996

(This space for State use only)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☐ Change of Operator (well sold)

☐ Designation of Agent

☐ Designation of Operator

☒ Operator Name Change Only

Routing:

1	LEP 7-SJ	✓
2	DES-FILE	✓
3	VLD (GIL)	✓
4	RJE	✓
5	IFC	✓
6	FILM	✓

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
	phone <u>(406) 259-7860</u>	phone <u>(406) 259-7860</u>
	account no. <u>N9890</u>	account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>013-30572</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Yes 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 4-4-96 & 4-8-96)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- * 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ (4-10-96)
- Yes 6. Cardex file has been updated for each well listed above. (4-11-96)
- Yes 7. Well file labels have been updated for each well listed above. (4-11-96)
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- See 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

5578314 (\$80,000) Schenck Ins. Co. (Bond Rider In Progress)

- See 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/20/96 2. Copies of documents have been sent to State Lands for changes involving State leases.
Sent to Ed Bonner - Trust Lands

FILMING

- VSR 1. All attachments to this form have been microfilmed. Date: May 20 1996.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

9/6/04/10 BLM/BIA "Formal approval not necessary"



EQUITABLE RESOURCES
ENERGY COMPANY

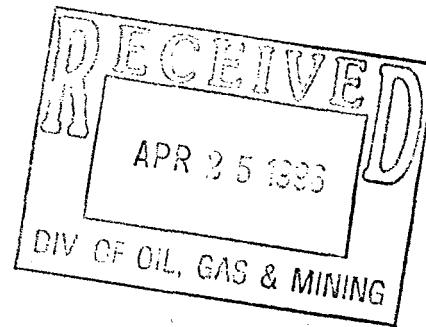
WESTERN REGION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

April 23, 1996

State of Utah
Division of Oil, Gas, and Mining
355 West North Temple
Salt Lake City, UT 84180



Gentlemen:

RE: Yearly Status Report for SI or TA Wells

Enclosed are sundry notices giving the Annual Status Report of Shut-in, Temporarily-abandoned, and Suspended-drilling wells for Equitable Resources Energy Company as of December, 1995.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad
Operations Secretary

/mc

Attachments

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator: Equitable Resources Energy Company

3. Address and Telephone Number: 1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860

4. Location of Well

Footages: 1984' FSL & 660' FEL

QQ, Sec., T., R., M.: NE SE Section 16, T9S, R17E

5. Lease Designation and Serial Number:
ML-3453-B6. If Indian, Allottee or Tribe Name:
n/a7. Unit Agreement Name:
n/a8. Well Name and Number:
K. Jorgenson State #16-49. API Well Number:
43-013-3057210. Field and Pool, or Wildcat:
Monument Butte/Green River

County: Duchesne

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Annual Status Report</u> | |

Date of work completion _____

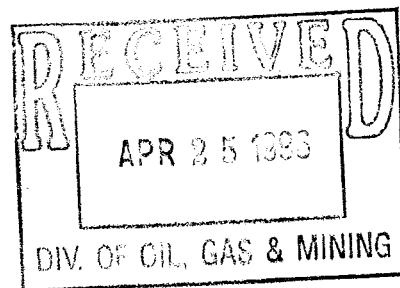
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

• Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

STATUS: SI

This well is SI pending evaluation to put on production.



13.

Name & Signature:

Molly Conrad

Title:

Operations Secretary

Date:

4-18-96

(This space for State use only)

DOGM SPEED LETTER

To: Ed Bonner

From: Don Staley

School & Institutional Trust

Division of Oil, Gas & Mining

Lands Administration

Subject: Operator Change

MESSAGE

Date April 26 19 96

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s)

These companies have complied with our requirements. Our records have been updated. Bonding should be reviewed by your agency ASAP.

Former Operator: Equitable Resources Energy Co., Balcron Oil Division (N9890)

New Operator: Equitable Resources Energy Co. (N9890)

Well(s): API: Entity: S-T-R: Lease:

NAME CHANGE ONLY

(See Attached Lists)

cc: Operator File

Signed

Don Staley

REPLY

Date _____ 19 ____

Signed _____

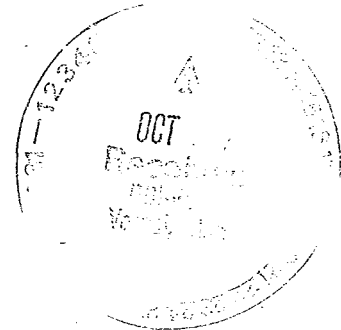


RECEIVED

OCT 10 1997

October 7, 1997

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078



RE: Change of Operator
Duchesne & Vernal Counties, Utah


Dear Mr. Forsman:

Please find attached Sundry Notices and Reports on Wells for Change of Operator, previously operated by Equitable Resources Energy Company for approval.

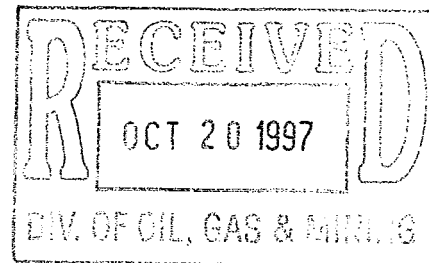
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY


Patsy Barreau

/pb
encls.



DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- ☐ Abandon ☐ New Construction
☐ Repair Casing ☐ Pull or Alter Casing
☐ Change of Plans ☐ Recomplete
☐ Convert to Injection ☐ Reperforate
☐ Fracture Treat or Acidize ☐ Vent or Flare
☐ Multiple Completion ☐ Water Shut-Off
☒ Other Change of Operator

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- ☐ Abandon ☐ New Construction
☐ Repair Casing ☐ Pull or Alter Casing
☐ Change of Plans ☐ Reperforate
☐ Convert to Injection ☐ Vent or Flare
☐ Fracture Treat or Acidize ☐ Water Shut-Off
☒ Other Change of Operator

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 10 1997

13.

Name & Signature:

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date: 9/30/97

This space for State use only)

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
WALTON FEDERAL #1	SESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15792-00	UTU096550	UTU72086A
WALTON FEDERAL #2	NWNE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15793-00	UTU096550	UTU72086A
WALTON FEDERAL #34-11	SWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31003-00	UTU096550	UTU72086A
WALTON FEDERAL #4	SENE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15795-00	UTU096550	UTU72086A
ALLEN FEDERAL #31-6G	NWNE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31442-00	UTU020252A	
BALCRON FEDERAL #21-13Y	NENW 139S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31400-00	UTU64805	
BALCRON FEDERAL #21-25Y	NENW 259S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31394-00	UTU64380	
BALCRON FEDERAL #44-14Y	SESE 149S 17E	UINTAH	UT	MONUMENT BUTTE (U)	43-047-32438-00	UTU64806	
CASTLE PEAK FEDERAL #24-10A	SESW 169S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30555-00	UTU72107	
CASTLE PEAK STATE #43-16	NESE 169S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30594-00		891008243C
K. JORGENSEN STATE #16-4	NESE 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30572-00	ML-3453-B	
STATE #16-2	NENE 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30552-00	ML-3453-B	
BALCRON FEDERAL #21-9Y	NENW 9 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31396-00	UTU65207	
BALCRON FEDERAL #41-21Y	NENE 219S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31392-00	UTU64379	
MONUMENT FEDERAL #31-6-9-16	NWNE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31717-00	UTU74390	
MONUMENT FEDERAL #32-6-9-16Y	SW NE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31300-00	UTU74390	
MONUMENT FEDERAL #42-6-9-16Y	SE NW 6 9S 15E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31645-00	UTU74390	
MONUMENT FEDERAL #41-6-9-16	NENE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31718-00	UTU74390	
MONUMENT FEDERAL #31-8-9-16	NW NE 8 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31721-00	UTU020255	
MONUMENT FEDERAL #41-8-9-16	NENE 8 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31619-00	UTU020255	
MONUMENT FEDERAL #11-9-9-16	NW NW 9 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31618-00	UTU020254	
MONUMENT FEDERAL #33-6-9-16Y	NW SE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31589-00	UTU74390	
MONUMENT FEDERAL #43-6-9-16Y	NE SE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31644-00	UTU74390	
MONUMENT FEDERAL #44-6-9-16Y	SE SE 6 9S 15E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31720-00	UTU74390	
MONUMENT FEDERAL #31-18-9-16	NW NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31725-00	UTU74390	
MONUMENT FEDERAL #41-18Y	NE NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31646-00	UTU74390	
MONUMENT FEDERAL #42-18Y	SE NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31724-00	UTU74390	
MONUMENT FEDERAL #31-21-9-16	NW NE 219S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31726-00	UTU64379	
MONUMENT FEDERAL #11-22Y	NW NW 229S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31647-00	UTU64379	
MONUMENT FEDERAL #13-4-9-16	NW SW 4 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31716-00	UTU73086	
MONUMENT FEDERAL #14-4	SWSW 4 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31666-00	UTU73086	
MONUMENT FEDERAL #22-20-9-16	SE NW 209S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31681-00	UTU52018	
MONUMENT FEDERAL #23-7-9-16	NESW 7 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31694-00	UTU74390	
MONUMENT FEDERAL #24-17-9-16	SESW 179S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31682-00	UTU52018	
MONUMENT BUTTE #34-31-8-16	SW SE 318S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31715-00	UTU74389	
MONUMENT FEDERAL #33-10-9-16	NW SE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31722-00	UTU72107	
MONUMENT BUTTE #43-10-9-16	NE SE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31723-00	UTU72107	
CHORNEY FEDERAL #1-9	SWSE 9 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-30070-00	UTU5843	
HENDEL FEDERAL #1	SWSW 9 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-20011-00	UTU058149	



EQUITABLE RESOURCES ENERGY COMPANY

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

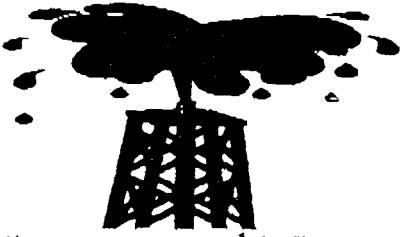
Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



Crazy Mountain Oil & Gas Services
P.O. Box 577
Laurel, MT 59044
(406) 628-4164
(406) 628-4165

TO: *Lisha*
St of Utah.

FROM. Molly Conrad
Crazy Mountain Oil & Gas Services
(406) 628-4164

Pages Attached - Including Cover Sheet *2.*

NOTE: *Here is the letter you requested.*
Calling you need anything
further.

OPERATOR CHANGE WORKSHEET

Routing	
1-ILFC	6-MFC
2-GLH	7-KAS
3-DPSOTS	8-SI
4-VLD	9-FILE
5-JRB	

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

PAGE 2 of 2

The operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>C/O CRAZY MTN O&G SVS'S</u>
	<u>ROOSEVELT UT 84066</u>		<u>PO BOX 577</u>
			<u>LAUREL MT 59044</u>
Phone:	<u>(801) 722-5103</u>	Phone:	<u>(406) 628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

*CASTLE DRAW SEC. REC. UNIT

WELL(S) attach additional page if needed:

Name: <u>STATE 16-2/GR</u>	API: <u>43-013-30552</u>	Entity: <u>1451</u>	S	<u>16</u>	T	<u>9S</u>	R	<u>17E</u>	Lease: <u>ML3453B</u>
Name: <u>K. JORGENSEN 16-4/GR</u>	API: <u>43-013-30572</u>	Entity: <u>1452</u>	S	<u>16</u>	T	<u>9S</u>	R	<u>17E</u>	Lease: <u>ML3453B</u>
Name: <u>MONUMENT 11-36-8-17Y/GR</u>	API: <u>43-047-32764</u>	Entity: <u>12095</u>	S	<u>36</u>	T	<u>8S</u>	R	<u>17E</u>	Lease: <u>ML44305</u>
Name: <u>*MONUMENT 24-2/GR</u>	API: <u>43-047-32612</u>	Entity: <u>11736</u>	S	<u>2</u>	T	<u>9S</u>	R	<u>17E</u>	Lease: <u>ML45555</u>
Name: <u>*MONUMENT 13-2/GR</u>	API: <u>43-013-31482</u>	Entity: <u>11738</u>	S	<u>2</u>	T	<u>9S</u>	R	<u>17E</u>	Lease: <u>ML45555</u>
Name: <u>*MONUMENT 12-2/GR</u>	API: <u>43-013-31481</u>	Entity: <u>11745</u>	S	<u>2</u>	T	<u>9S</u>	R	<u>17E</u>	Lease: <u>ML45555</u>
Name: <u>*MONUMENT 21-2-9-17/GR</u>	API: <u>43-047-32703</u>	Entity: <u>11863</u>	S	<u>2</u>	T	<u>9S</u>	R	<u>17E</u>	Lease: <u>ML45555</u>

OPERATOR CHANGE DOCUMENTATION

- Lic 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
- Lic 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-20-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) ____ If yes, show company file number: _____
- N/A 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- Lic 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(12-19-97) (LIC DBASE & QUATRO 12-19-97)*
- Lic 6. **Cardex** file has been updated for each well listed above. *(12-19-97)*
- Lic 7. Well **file labels** have been updated for each well listed above. *(12-19-97)*
- Lic 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(12-19-97)*
- Lic 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- Yes 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY) *Trust Lands (\$80,000) Surety No. 4471291 "Hartford Acc. & Ind. Co."*

- Yes 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operator's bond files.
- N/A 3. The FORMER operator has requested a release of liability from their bond (yes/no) ____, as of today's date _____. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- ✓ 1. Copies of documents have been sent on _____ to _____ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- ✓ 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 ____, of their responsibility to notify all interest owners of this change.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Today's date: 11.30.98.

FILING

- ___ 1. Copies of all attachments to this form have been filed in each well file.
- ___ 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

DOGM SPEED LETTER

To: Ed Bonner

From: Don Staley

School & Institutional Trust

Division of Oil, Gas & Mining

Lands Administration

Subject: Operator Change

MESSAGE

Date 1/5 19 98

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s)

These companies have complied with our requirements. Our records have been updated. Bonding should be reviewed by your agency ASAP.

Former Operator: Equitable Resources Energy (N9890)

New Operator: Inland Production Company (N5160)

Well(s):	API:	Entity:	S-T-R:	Lease:
----------	------	---------	--------	--------

(See attached list)

cc: Operator File

Signed

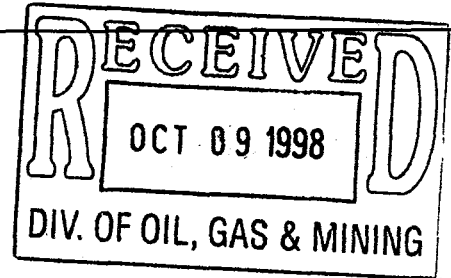
Don Staley

REPLY

Date _____ 19 ____

Signed _____

Well(s):	API:	Entity:	S-T-R:	Lease:
State 16-2	43-013-30552	01451	16-9S-17E	ML3453B
K Jorgenson 16-4	43-013-30572	01452	16-9S-17E	ML3453B
Monument 11-36-8-17Y	43-047-32764	12095	36-8S-17E	ML44305
Monument 24-2	43-047-32612	11736	2-9S-17E	ML45555
Monument 13-2	43-013-31482	11738	2-9S-17E	ML45555
Monument 12-2	43-013-31481	11745	2-9S-17E	ML45555
Monument 21-2-9-17	43-047-32703	11863	2-9S-17E	ML45555
Monument 31-2-9-17CD	43-047-32563	11878	2-9S-17E	ML45555
Monument 11-2-9-17CD	43-013-31685	11995	2-9S-17E	ML45555
Monument 32-2	43-047-32737	12000	2-9S-17E	ML45555
Castle Draw 8-2	43-047-32842	99999	2-9S-17E	ML45555
Castle Draw 1-2	43-047-32843	99999	2-9S-17E	ML45555
Monument 14-2	43-013-31425	11656	2-9S-17E	ML45555
Monument 22-2	43-047-32610	11742	2-9S-17E	ML45555



October 7, 1998

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Jorgenson State #16-4
Monument Butte Field, Lone Tree Unit, Lease #ML-3453B
Section 16-Township 9S-Range 17E
Duchesne County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Jorgenson State #16-4 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Lone Tree Unit.

The fracture information provided in this application, is from a nearby well within the unit, the S. Pleasant Valley #15-15, as there was no data available from the previous operator. In addition, please note that the water analysis is taken from another well in the unit, the S. Pleasant Valley #11-15.

Should you have any questions or require additional information, please contact me at (303) 382-4434.

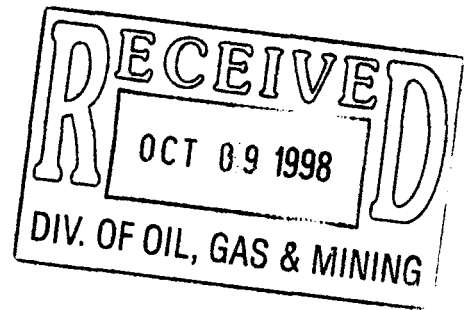
Sincerely,

Debbie E. Knight
Manager, Regulatory Compliance

cc: Ed Forsman, BLM

UIC
234

NOTICE
SENT
10/21/98



INLAND PRODUCTION COMPANY

APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

LONE TREE UNIT

JOPRGENSON STATE #16-4

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

LEASE #ML-3453B

OCTOBER 7, 1998

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COMPLETED RULE R615-5-2 QUESTIONNAIRE	
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ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
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ATTACHMENT F	WATER ANALYSIS OF THE FLUID TO BE INJECTED
ATTACHMENT F-1	WATER ANALYSIS OF THE FLUID IN THE FORMATION
ATTACHMENT F-2	WATER ANALYSIS OF THE COMPATIBILITY OF THE FLUIDS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS (SPV #13-15)
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUGGING AND ABANDONMENT
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

APPLICATION FOR INJECTION WELL - UIC FORM 1

Comments:

WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.**
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.**
- 3. Test casing and packer.**
- 4. Rig down, move out.**

Spud Date: 6/25/81
 Put on Production: 10-21-81
 GL: 5277' KB: 5289'

K. Jorgenson State 16-4

Initial Production: 12 BOPD,
 0 MCFPD, 3 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE:
 WEIGHT:
 DEPTH LANDED: 261'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 428 sxs Class "G"

PRODUCTION CASING

CSG SIZE: 5-1/2" & 4-1/2"
 GRADE:
 WEIGHT: 15.5#
 LENGTH:
 DEPTH LANDED: 3013' & 5750'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 855 sxs 50/50 Type 5W

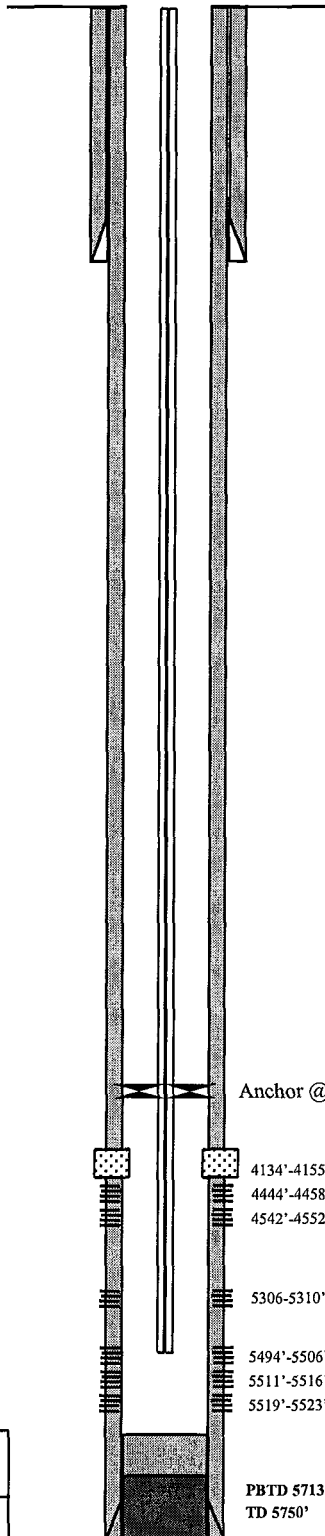
TUBING

SIZE/GRADE/WT.: 2-3/8" / 11.6#
 NO. OF JOINTS:
 TUBING ANCHOR:
 TOTAL STRING LENGTH: 4049'
 SN LANDED AT:

ROD STRING

POLISHED ROD:
 SUCKER RODS:
 PUMP SIZE:
 STROKE LENGTH:
 LOGS: DIFL, DNDR, CBL

Proposed Injection Wellbore Diagram



FRAC JOB

10/81	4134'-4552'	16,168# 20/40 sd and 45,000 10/20# sd. 196 bbls diesel, 90 bbls flush.
06/84	5494'-5523'	390 sxs 20/40 sd and gel wtr
	5306'-5310'	200 sxs 20/40 sd and gel wtr
	4134'-4552'	1500 sxs 20/40 sd and gel wtr,

PERFORATION RECORD

6/84	5306'-5310'	2 SPF
06/84	5494'-5506'	2 SPF
	5511'-5516'	2 SPF
	5519'-5523'	2 SPF
10/81	4134'-4155'	2 SPF Cement Squeezed 6/84
	4444'-4458'	2 SPF
	4542'-4552'	2 SPF



Inland Resources Inc.

K. Jorgenson State 16-4
 660' FEL and 1984' FSL
 NESE Section 16-T9S-R17E
 Duchesne Co, Utah
 API #43-013-30572; Lease #ML-3453B

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

- 2.1 The name and address of the operator of the project.**

Inland Production Company
410 17th Street, Suite 700
Denver, Colorado 80202

- 2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A

- 2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Jorgenson State #16-4 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

- 2.4 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Douglas Creek Member of the Green River Formation. At the Jorgenson State #16-4 well, the proposed injection zone is from 4444'-5523'. The confining stratum directly above and below the injection zone is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4444'.

- 2.5 A copy of a log of a representative well completed in the pool.**

The referenced log for the Jorgenson State #16-4 is on file with the Utah Division of Oil, Gas and Mining.

- 2.6 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.7 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.8 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.9 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a State lease (Lease #ML-3453B), in the Monument Butte (Green River) Field, Lone Tree Unit, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachment A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 261' GL, and the 5-1/2" casing run from surface to 5750' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The type and source of fluid to be injected is culinary water from the Johnson Water District supply line. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F, F-1, and F-2.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1310 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The fracture gradient for the Jorgenson State #16-4, for proposed zones (4444'-5523') calculates at .73 psig/ft. Due to the lack of information provided for this well, the fracture gradient was obtained from a nearby well, S. Pleasant Valley #13-15. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1310 psig. See Attachment G.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Jorgenson State #16-4, the injection zone (4444'-5523') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31', and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-6.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Inland Production Company will supply any requested information to the Board or Division.

Attachment A

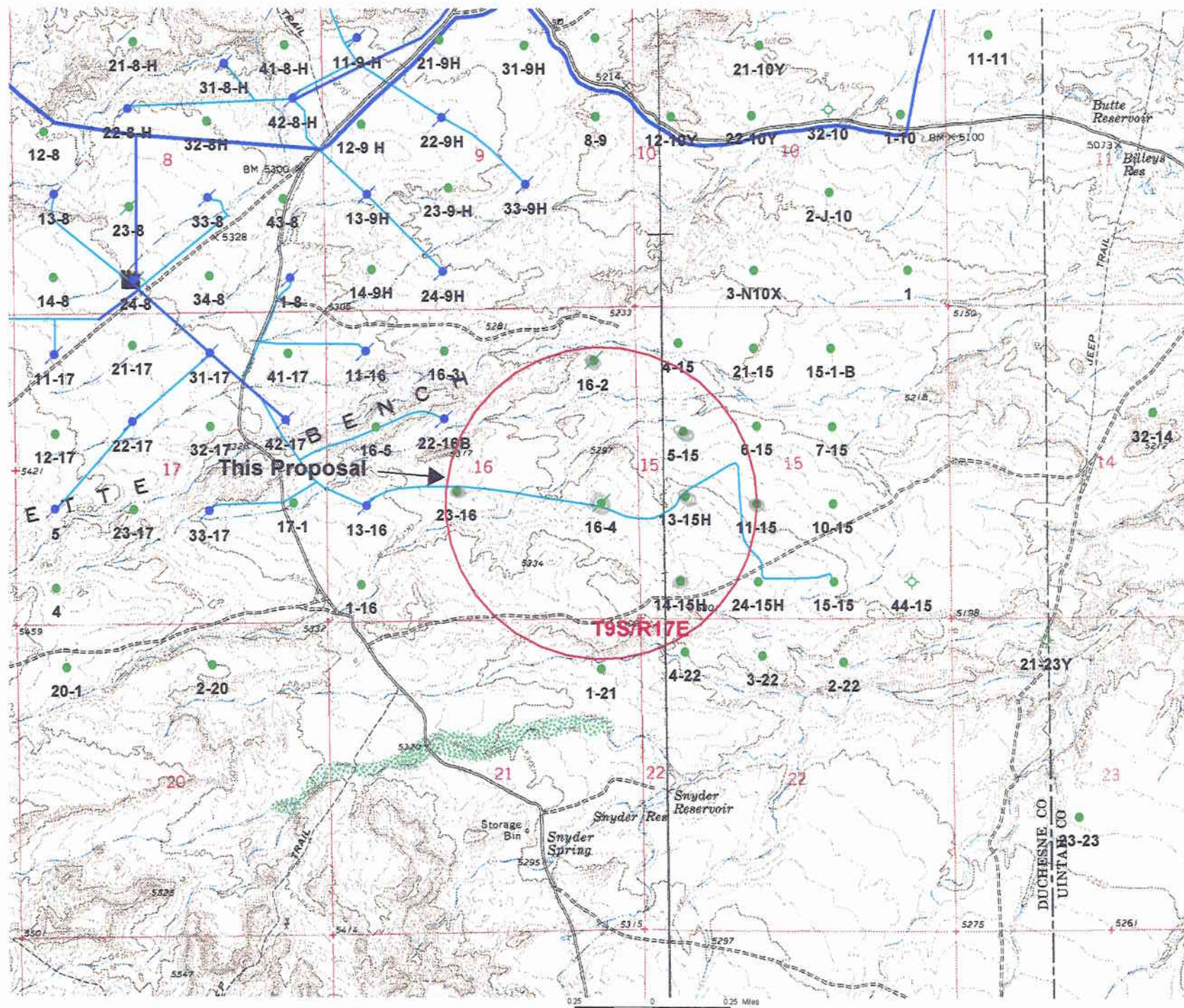


Exhibit "A"

- Well Categories
- INJ
 - OIL
 - DRY
 - SHUTIN
 - Water 6"
 - Water 4"
 - Water 2-3"
 - Injectors

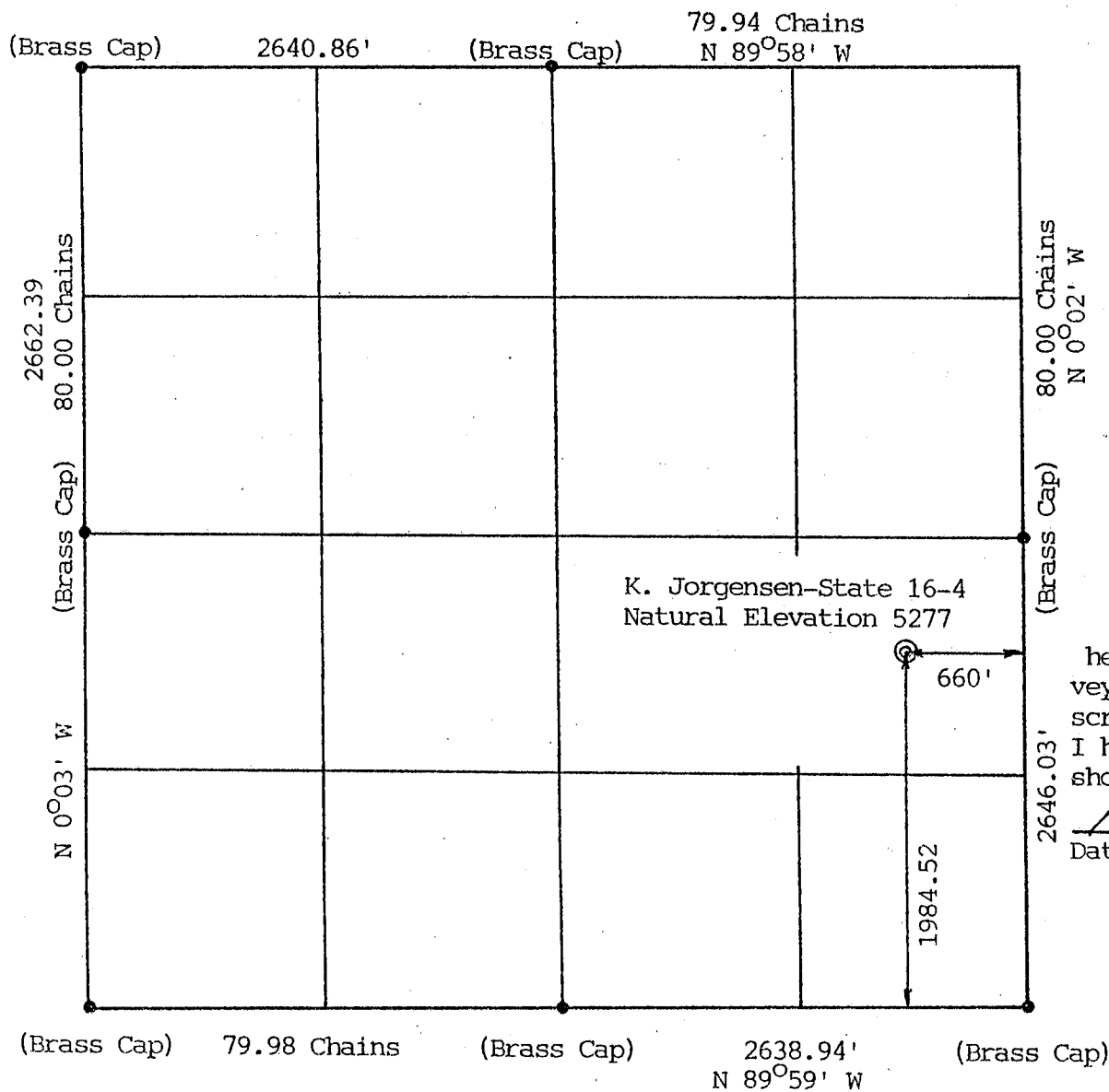
Upland
418 17th Street Suite 720
Jeane, Colorado 81222
Phone (303) 493-8112

UINTA BASIN
Duchessne & Uintah Counties, Utah

Date 1-17-03 HRP

SECTION 16
TOWNSHIP 9 SOUTH, RANGE 17 EAST
SALT LAKE BASE AND MERIDIAN
DUCHESNE COUNTY, UTAH

PARADOX OIL AND GAS CORPORATION
WELL LOCATION: CENTER N.E.¼, S.E.¼



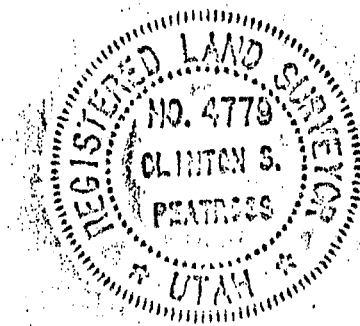
SCALE 1"=1000'

SURVEYOR'S CERTIFICATE

I, Clinton S. Peatross, Duchesne, Utah, do hereby certify that I am a Registered Land Surveyor, and that I hold License No. 4779, as prescribed by the laws of the State of Utah, and that I have made a survey of the oil well location, as shown on this plat.

1st June 1981
Date

Clinton S. Peatross
Clinton S. Peatross
License No. 4779 (Utah)



Section data obtained from G.L.O. plat.
Job #57-81

Attachment A-1

EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 9 South, Range 17 East Section 15: SW/4NE/4, NW/4, S/2	U-74805 HBP	Inland Production Company Key Production Company Inc	(Surface Rights) USA
2	Township 9 South, Range 17 East Section 16: SW/4NW/4, E/2NW/4, E/2SW/4, NW/4SW/4, E/2	ML-3453-B HBP	Inland Production Company Yates Petroleum Corp. ABO Petroleum Corporation MYCO Industries, Inc Yates Drilling Company	(Surface Rights) State of Utah
3	Township 9 South, Range 17 East Section 19: All Section 20: W/2, SE/4, W/2NE/4 SE/4NE/4 Section 21: S/2, NE/4, S/2NW/4 Section 22: N/2, SW/4, N/2SE/4, SW/4SE/4	U-13905 HBP	Inland Production Company Key Production Company	(Surface Rights) USA

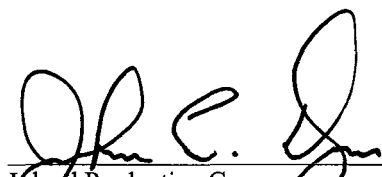
ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Jorgenson State #16-4

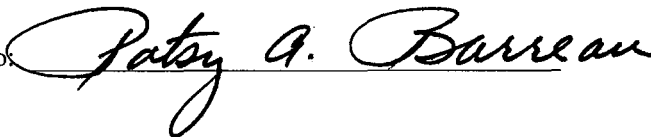
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: _____


Inland Production Company
John E. Dyer
Chief Operating Officer

Sworn to and subscribed before me this 7th day of October, 1998.

Notary Public in and for the State of Colorado





My Commission Expires 11/14/2000

K. Jorgenson State 16-4

Spud Date: 6/25/81
 Put on Production: 10-21-81
 GL: 5277' KB: 5289'

Initial Production: 12 BOPD,
 0 MCFPD, 3 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE:
 WEIGHT:
 DEPTH LANDED: 261'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 428 sxs Class "G"

PRODUCTION CASING

CSG SIZE: 5-1/2" & 4-1/2"
 GRADE:
 WEIGHT: 15.5#
 LENGTH:
 DEPTH LANDED: 3013' & 5750'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 855 sxs 50/50 Type 5W
 OK TO 3500'

TUBING

SIZE/GRADE/WT.: 2-3/8" / 11.6#
 NO. OF JOINTS:
 TUBING ANCHOR:
 TOTAL STRING LENGTH: 4049'
 SN LANDED AT:

ROD STRING

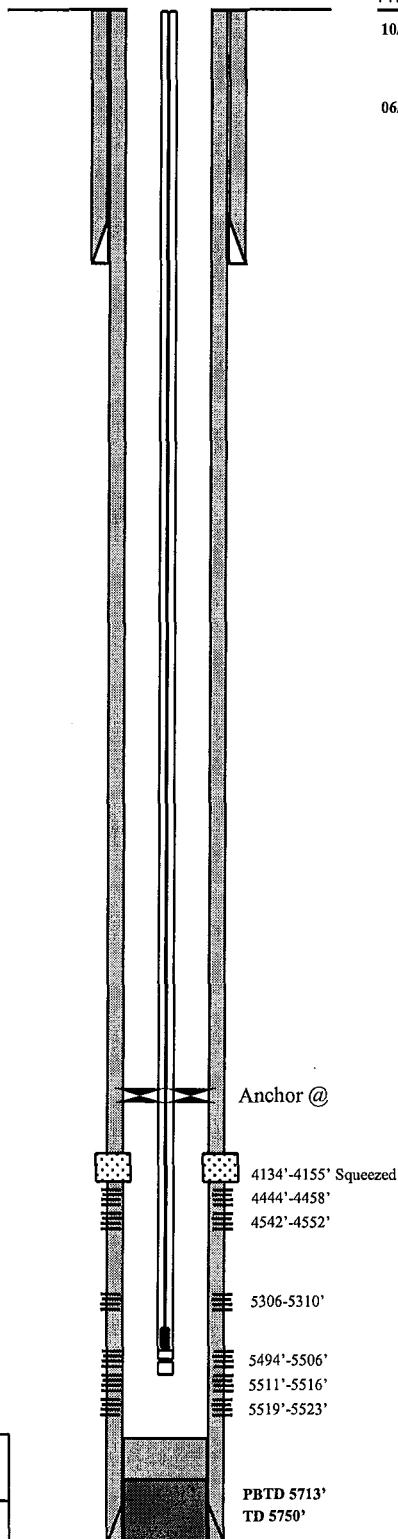
POLISHED ROD:
 SUCKER RODS:
 PUMP SIZE:
 STROKE LENGTH:
 LOGS: DIFL, DNDR, CBL

FRAC JOB

10/81	4134'-4552'	16,168# 20/40 sd and 45,000 10/20# sd. 196 bbls diesel, 90 bbls flush.
06/84	5494'-5523'	390 sxs 20/40 sd and gel wtr
	5306'-5310'	200 sxs 20/40 sd and gel wtr
	4134'-4552'	1500 sxs 20/40 sd and gel wtr,

PERFORATION RECORD

6/84	5306'-5310'	2 SPF
06/84	5494'-5506'	2 SPF
	5511'-5516'	2 SPF
	5519'-5523'	2 SPF
10/81	4134'-4155'	2 SPF Cement Squeezed 6/84
	4444'-4458'	2 SPF
	4542'-4552'	2 SPF



Inland Resources Inc.

K. Jorgenson State 16-4
 660' FEL and 1984' FSL
 NESE Section 16-T9S-R17E
 Duchesne Co, Utah
 API #43-013-30572; Lease #ML-3453B

Spud Date: 5/20/80
 Put on Production: 10/21/81
 GL: 52378' KB: 5247'

State 16-2

Wellbore Diagram

Initial Production: 23 BOPD,
 0 MCFPD, 0 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE:
 WEIGHT:
 DEPTH LANDED: 307'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 285 sxs Class "H"

PRODUCTION CASING

CSG SIZE: 5-1/2" & 4-1/2"
 GRADE:
 WEIGHT: 15.5#
 LENGTH:
 DEPTH LANDED: 5658'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 390 sxs
 TOC: 4470' KB

TUBING

SIZE/GRADE/WT.: 2-3/8
 NO. OF JOINTS:
 TUBING ANCHOR:
 TOTAL STRING LENGTH: 4446'
 SN LANDED AT: 4400'

ROD STRING

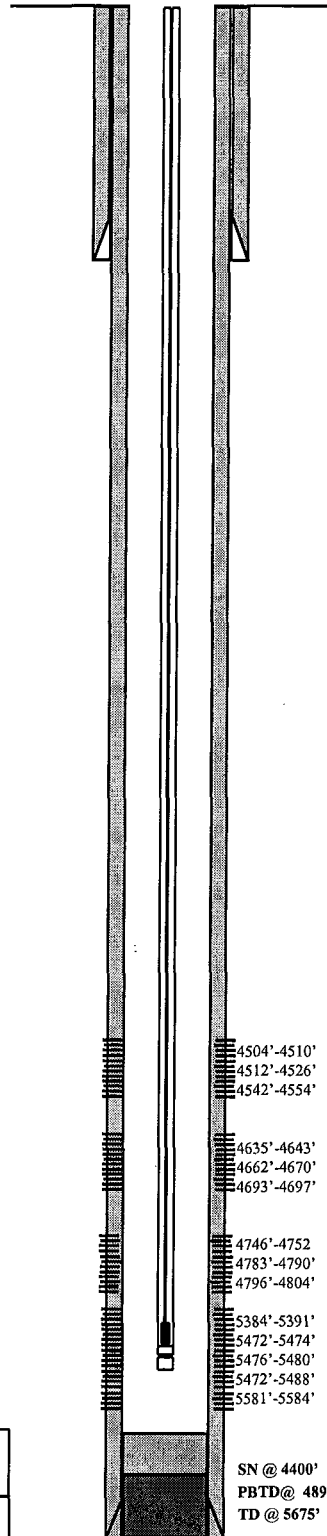
POLISHED ROD:
 SUCKER RODS:
 PUMP SIZE:
 STROKE LENGTH:
 LOGS: DIFL, DNGR, CBL

FRAC JOB

3/10/81	4693'-5584'	120 bbls 15% HCl, 40 bbls diesel flush w/18,000gal diesel 25,000# 20/ sd & 900# 10/20 sd
3/10/81	4500'-4800'	238 bbls HCl, 20 bbls diesel flush, 35,000 gal diesel, 20,000# 20/40 sd & 18,000# 10/20 sd

PERFORATION RECORD

3/10/81	4693'-5584'	68 holes
	4500'-4800'	124 holes



SN @ 4400'
 PBTD @ 4890'
 TD @ 5675'



Inland Resources Inc.

State 16-2

771' FNL and 748' FEL

NENE Section 16-T9S-R17E

Duchesne Co, Utah

API #43-013-30552; Lease #ML-3453B

Monument State #23-16-9-17B

Spud Date: --/--/--
 Put on Production: --/--/--
 GL: 5298' KB: 5308'

Initial Production: ? BOPD, ?
 MCFPD, ? BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 284'
 DEPTH LANDED: 295' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs "G" + 2% CaCl₂ + 1/4 #/sk cello-flake.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 15.5#
 LENGTH: 5504'
 DEPTH LANDED: 5514'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 580 sxs
 CEMENT TOP AT: 1488' per KB

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
 NO. OF JOINTS: 142 jts
 TUBING ANCHOR: 4399.15'
 SEATING NIPPLE: 2-7/8" (1.10')
 TOTAL STRING LENGTH: EOT @ 5349.88'
 SN LANDED AT: 5315.16'

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' polished
 SUCKER RODS: 2-1/2"x2' Pony guide, 210-3/4" plain rods, 1-1/4"x25' K-bar
 TOTAL ROD STRING LENGTH: 5307'
 PUMP SIZE: 2-1/2 x 1-1/2 x 15' RHAC pump
 STROKE LENGTH: ?
 PUMP SPEED, SPM: ?
 LOGS: NA

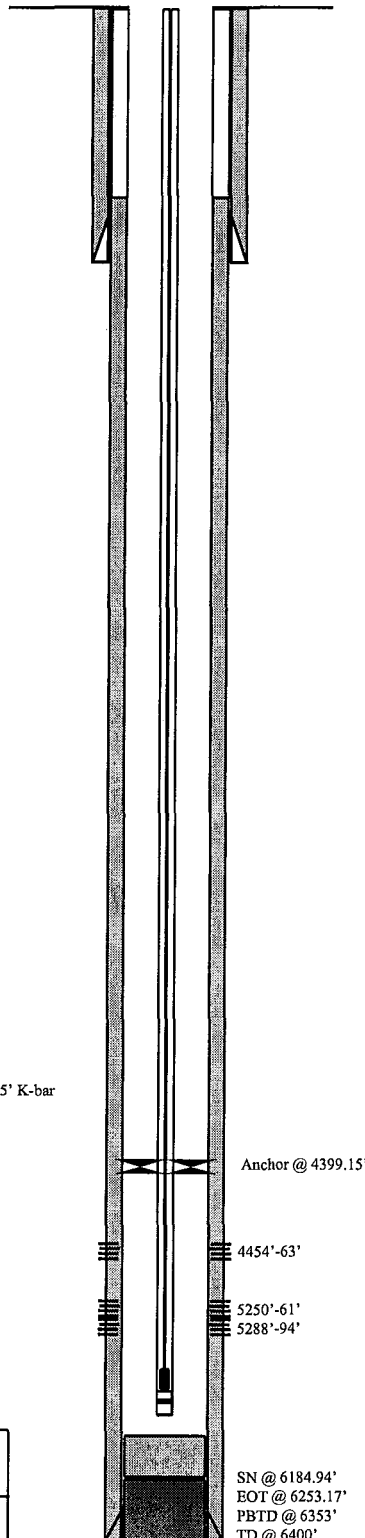
FRAC JOB

03/15/96 4454'-4463'

Frac R2 sands as follows:
 11970 gals 2% KCl wtr & 30240# 16/30
 sand. ATP=2250, ATR=31.9 bpm,
 ISIP=2200, 5min=1950, 10min=1790,
 15min=1690, 30min=1590.

03/11/96 5250'-5294'

Frac B1/B2 sand as follows:
 17892 gals 2% KCl wtr & 20240# 20/40
 sand. Flush w/ 17892 gals 2% KCl wtr.
 ATP=1600, ATR=32.3 bpm, ISIP=1560,
 5min=1320, 10min=1260, 15min=1230,
 30min=1160.

PERFORATION RECORD

3/14/96 4454'-4463'
 3/08/96 5250'-5261'
 3/08/96 5288'-5294'



Inland Resources Inc.

Monument State #23-16-9-17B

1980 FSL 1980 FWL

SENE Section 16-T8S-R17E

Duchesne Co, Utah

API #: Lease #ML-3453-B

SN @ 6184.94'
 EOT @ 6253.17'
 PBTD @ 6353'
 TD @ 6400'

South Pleasant Valley #5-15

Spud Date: 2/12/98
 Put on Production: 3/26/98
 GL: 5213' KB: 5226'

Initial Production: BOPD,
 MCFPD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55 ST&C
 WEIGHT: 24#
 LENGTH: 7 jts. (292')
 DEPTH LANDED: 308'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 140 sxs Premium Plus w/2% CC & 1/2#sx flocele

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55 LT&C
 WEIGHT: 15.5#
 LENGTH: 5506' 29 jts.
 DEPTH LANDED: 5519'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Hibond 65 Modified tail w/230 sxs
 Thixotropic & 10% Calseal
 CEMENT TOP AT:

TUBING

SIZE/GRADE/WT.: 2-7/8" 6.5# J-55
 NO. OF JOINTS: 169
 TUBING ANCHOR: 5256'
 TOTAL STRING LENGTH: 5419'
 SN LANDED AT: 5352'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'
 SUCKER RODS: 4 - 3/4" scraped rods, 112 - 3/4" plain rods, 92 - 3/4" scraped rods, 1 - 6', 2 - 4', and 1 - 2' x 3/4" pony rods
 PUMP SIZE: 2-1/2" x 1-1/2" x 17'
 STROKE LENGTH: 74"
 PUMP SPEED: 4.5 SPM
 LOGS: DIGL/SP/GR/CAL, DSN/SDL/GR

FRAC JOB

5263'-5321' 120,400# 20/40 sd in 567 bbl delta frac
 Perfs broke down @ 2765 psi.
 Treated @ avg 1380 psi and avg rate
 of 30.5 BPM. ISIP 2200 psi, 1955
 after 5 min. Flowback on 12/64 ck
 for 6.5 hrs and died.

4854'-4863' 451,300 20/40 sd in 567 bbl delta frac.
 Perfs broke down @ 4160 psi.
 Treated @ avg 2050 /@ avg rate
 of 28 BPM. ISIP 3572 psi, 3315 after
 5 min. Flowback on 12/64 choke for
 1.5 hrs and died.

4628'-4634' 98,300# 20/40 sd in 491 bbs delta frac
 Perfs broke down @ 4250. Treated @
 avg 1610 psi avg rate of 24.2 BPM.
 ISIP 1866 psi, 1770 after 5 min.
 Flowback 22/94 for 3.5 hrs and died.

3994'-4008' 114,300 # 20/40 sd in 522 bbl delta frac
 Perfs broke down @ 3393. Treated @
 avg 1823 and avg rate of 26.8 BPM.
 ISIP 1897 psi, 1744 after 5 min.
 Flowback on 1264 choke for 4 hrs and
 died.

PERFORATION RECORD

Date	Perforation Type	Interval
3/14/98	CP sds 4 jspf	5263'-5266' 5268'-5276' 5295'-5305 5313'-5321'
3/17/98	A sds 4 jspf	4854'-4863'
3/19/98	B sds 4 jspf	4628-4634'
3/20/98	PB sds 4 jspf	3994'-4008

SN @ 5352'
 EOT @ 5419'
 PBTD @ 5473'
 TD @ 5520'



Inland Resources Inc.

South Pleasant Valley #5-15

2069' FNL & 759' FWL

SWNW Section 15-T9S-R17E

Duchesne Co, Utah

API #43-013-31886; Lease #U-74805

S. Pleasant Valley #11-15

Spud Date: 1/26/98

Put on Production: 3/11/98

GL: 5240' KB: 5250'

Initial Production: ? BOPD, ?
MCFPD, ? BWPDSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (294')

DEPTH LANDED: 309'

HOLE SIZE: 12-1/4"

CEMENT DATA: 140 sxs Premium cmt, est 7 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 128 jts. (5474')

DEPTH LANDED: 5488'

HOLE SIZE: 7-7/8"

CEMENT DATA: 260 sxs Hibond 65 modified and 210 sxs Thixotropic
& 10% CalsealTUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 176

TUBING ANCHOR: 5223'

TOTAL STRING LENGTH: (EOT @ 5351')

SN LANDED AT: 5316'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 3-1 1/2" wt rods, 4-3/4" scraped, 108-3/4" plain, 96-3/4" scraped, 1-8", 1-2"x3/4" pony rods

PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC

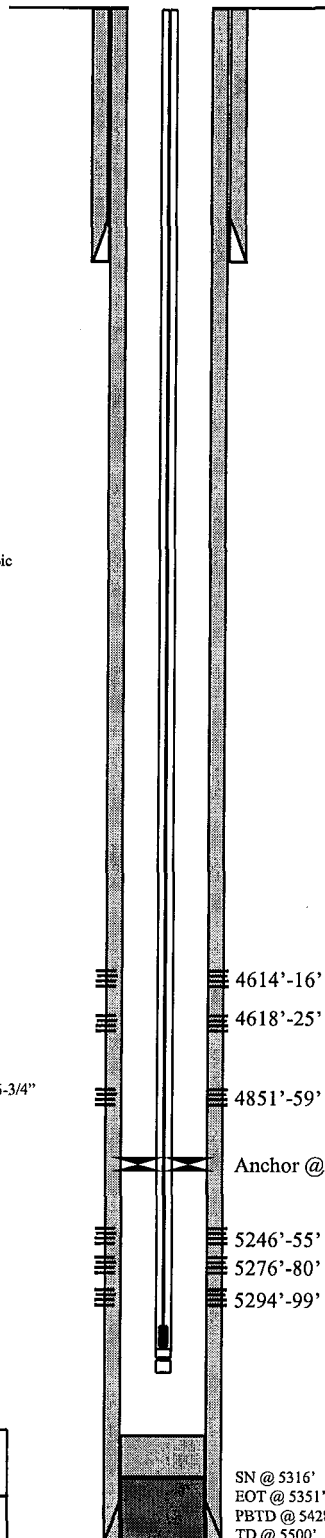
STROKE LENGTH: 56"

PUMP SPEED, SPM: 7 SPM

LOGS: HR/SP/GR/CAL (5482'-307')

DSN/SDL/GR (5450'-3000')

Wellbore Diagram

FRAC JOB

- 3/4/98 4851'-4859' 3000 Gal pad, 1000 gal w/1-6ppg 20/40 sd & 6259 gal 6-8 ppg sdstage. Well screened out w/6# sd @ perfs. Blender malfunction caused improper cross linking of pad. Est 14,000 sd in form, 22,800sd in csg. ISIP 2180, after 5 min 1400 psi. Flowback on 12/64 choke for 3/4 hr and died.
- 3/5/98 4851'-4859' Refrac w/120,300# 20/40 sd in 595 Delta frac. Treated @ avg press of 3150 and @ 28.9 BPM. ISIP 3249 and 3 after 5 min. Flowback on 12/64 for 5-1/2 hrs and died.
- 3/8/98 4614'-4616' 120,300# 20/40sd in 560 bbl Delta frac. Treated @ avg 1436 psi and @ 26 BPM. ISIP 1855 and 1669 after 5 min. Flowbac on 12/64 choke for 4-1/2 hrs and died.

PERFORATION RECORD

CP sds	4 jspf	5246'-5255'
		5276'-5280'
		5294'-5299'
A sds	4 jspf	4851'-4859'
B sds	4 jspf	4614'-4616'
		4618'-4625'

SN @ 5316'
EOT @ 5351'
PBTB @ 5428'
TD @ 5500'

Inland Resources Inc.

S. Pleasant Valley #11-15

1980 FSL 1980 FWL

NESW Section 15-T9S-R17E

Duchesne Co, Utah

API #43-013-31991; Lease #U-74805

Federal #13-15H

Spud Date: 10/16/97

Put on Production: 4/08/97

GL: 5260' KB: 5273'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH:

DEPTH LANDED: 415'

HOLE SIZE: 12-1/4"

CEMENT DATA: 290 sxs Premium cmt, est 31 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 135 jts. (5698')

DEPTH LANDED: 5698'

HOLE SIZE: 7-7/8"

CEMENT DATA: 210 sxs Hifill and 245 sxs Thixotropic

CEMENT TOP AT: 700' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 171 jts

TUBING ANCHOR: 4592'

TOTAL STRING LENGTH: 5321'

SN LANDED AT: 5321'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 9 sinker bars, 97-7/8" rods, 105-3/4" rods, 1-8", 1-6", 1-4" x 7/8" pony rods

PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHBC

STROKE LENGTH: ?

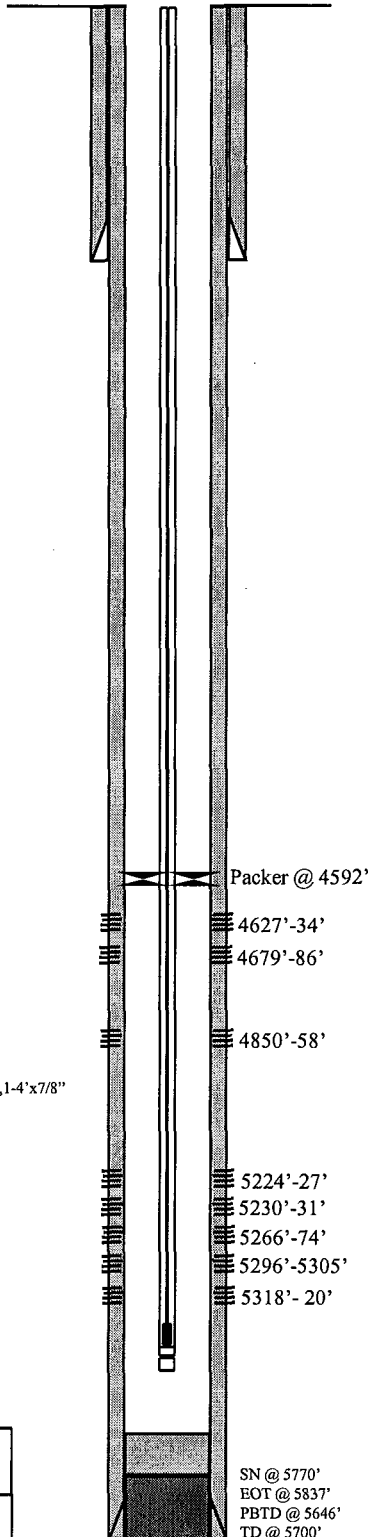
PUMP SPEED, SPM: ? SPM

LOGS: DLL w/GR & SP (5660'-2750')

SDLT/DSN (5660'-2750')

CBL w/GR & CCL (5262'-6')

Wellbore Diagram



Initial Production: 77 BOPD, 0 MCFPD, 164 BWPD

FRAC JOB

03/13/97	5224'-5320'	Frac sand as follows: Frac w/942 bbls of fluid and 203,500# 20/40 sand. Treated w/avg rate of 50.2 BPM w/avg press of 1800 psi. ISIP-1577 psi.
03/17/97	4850'-4858'	Frac sand as follows: 466 bbls of fluid and 86,100# 20/40 sand. Treated w/avg rate of 20.7 BPM w/avg press of 1850 psi. ISIP-1864 psi.
03/19/97	4627'-4686'	Frac sand as follows: 601 bbls of fluid and 130,600# 20/40 sand. Treated w/avg rate of 40 BPM w/avg press of 1950 psi. ISIP-1884 psi.

PERFORATION RECORD

03/13/97	5224'-5227'	2 JSPF	6 holes
03/13/97	5230'-5231'	2 JSPF	2 holes
03/13/97	5266'-5274'	2 JSPF	16 holes
03/13/97	5296'-5305'	2 JSPF	18 holes
03/13/97	5318'-5320'	2 JSPF	4 holes
03/15/97	4850'-4858'		
03/18/97	4627'-4634'	2 JSPF	14 holes
03/18/97	4679'-4686'	2 JSPF	14 holes



Inland Resources Inc.

Federal #13-15H

1980 FSL 660 FWL

NWSW Section 6-T9S-R17E

Duchesne Co, Utah

API #43-013-31698; Lease #U-74805

SN @ 5770'
EOT @ 5837'
PBTD @ 5646'
TD @ 5700'

Federal #14-15H

Spud Date: 1/08/97

Put on Production: 3/06/97

GL: 5282' KB: 5295'

Initial Production: 132 BOPD,
100 MCFPD, 35 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55 ST&C

WEIGHT: 24#

LENGTH: 10 jts. (400')

DEPTH LANDED: 400'

HOLE SIZE: 12-1/4"

CEMENT DATA: 290 sxs Premium w/2% CaCl₂PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55 LT&C

WEIGHT: 15.5#

LENGTH: 136 jts. (5700')

DEPTH LANDED: 5700'

HOLE SIZE: 7-7/8"

CEMENT DATA: 260 sxs Mod Hi-fill. Tail w/170 sxs Prem neat

CEMENT TOP AT: 750' est

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 169 jts

TUBING ANCHOR: 3896'

TOTAL STRING LENGTH: 5335'

SN LANDED AT: 5302'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 92 - 7/8" rods (scrapered), 110 - 3/4" rods, 9 - sinker bars

PUMP SIZE: 2-1/2" x 1-3/4" x 15' RHAC

STROKE LENGTH:

PUMP SPEED, SPM: SPM

LOGS: DLL/GR/SP, SDLTL, DSN, CBL/GR/CCL

FRAC JOB

02/23/97	3915'-3928'	529 bbls fluid and 99,200# 20/40 ss w/3 radioactive tracers @ 20 BPM (1750 psi). ISIP-1943 psi. Flowed back 77 bbls fluid in 2-1/2 hrs.
02/20/97	4413'-4428'	529 bbls fluid and 99,200# 20/40 ss @ 20 BPM (1750 psi). ISIP-2009. Immed flow back of 82 bbls fluid.
02/18/97	4523'-4570'	455 bbls fluid and 85,400# 20/40 ss @ 24.5 BPM (1960 psi). ISIP-1822 psi. Flowed back 121 bbls fluid in 4 hrs.
2/15/97	4784'-4835'	817 bbls fluid and 156,000# 20/40 ss @ 35.8 BPM (1950 psi). ISIP 2150. Flowed back 175 bbls fluid in 4 hrs.
2/13/97	5225'-5235'	524 bbls fluid and 94,300# 20/40 ss @ 32.5 BPM (2419 psi). ISIP 1750. Immed flowed back 400 bbls fluid in 3-1/2 hrs.

Anchor @ 3896'

PERFORATION RECORD

"A" Sand	3915'-3928'	52 Holes
"DC4"	4413'-4428'	60 Holes
"DC5 & D"	4523'-4570'	48 Holes
"Ee"	4784'-4835'	132 Holes
"F2"	5225'-5280'	64 Holes

3915'-3928'

4413'-4428'

4523'-4570'

4784'-4835'

5225'-5280'

SN @ 5302'
EOT @ 5335'
PBTD @ 5629'
TD @ 5700'

Inland Resources Inc.

Federal #14-15H

660' FSL & 660' FWL

SWSW Section 15-T9S-R17E

Duchesne Co, Utah

API #43-013-31695; Lease #U-74805

cee

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5086
Fax (801) 722-5727

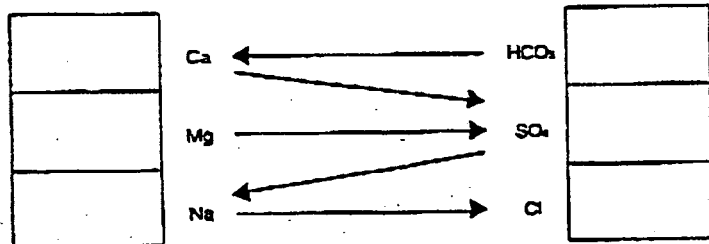
Attachment F

WATER ANALYSIS REPORT

Company INLAND Address _____ Date 01-14-98
 Source Johnson Water
FRESH WATER Date Sampled _____ Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>7.0</u>		
2. H ₂ S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>593</u>	
5. Alkalinity (CaCO ₃)		CO ₃ <u>0</u> ÷ 30 <u>0</u> CO ₃	
6. Bicarbonate (HCO ₃)		HCO ₃ <u>300</u> ÷ 61 <u>5</u> HCO ₃	
7. Hydroxyl (OH)		OH <u>0</u> ÷ 17 <u>0</u> OH	
8. Chlorides (Cl)		Cl <u>35</u> ÷ 35.5 <u>1</u> Cl	
9. Sulfates (SO ₄)		SO ₄ <u>110</u> ÷ 48 <u>2</u> SO ₄	
10. Calcium (Ca)		Ca <u>44</u> ÷ 20 <u>2</u> Ca	
11. Magnesium (Mg)		MG <u>22</u> ÷ 12.2 <u>2</u> Mg	
12. Total Hardness (CaCO ₃)		<u>200</u>	
13. Total Iron (Fe)		<u>2.2</u>	
14. Manganese			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Equlv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>2</u>			<u>162</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17	<u>2</u>			<u>146</u>
MgSO ₄	60.19				
MgCl ₂	47.52				
NaHCO ₃	84.00	<u>1</u>			<u>84</u>
Na ₂ SO ₄	71.03	<u>2</u>			<u>142</u>
NaCl	58.46	<u>1</u>			<u>59</u>

Saturation Values**Distilled Water 20°C**CaCO₃

13 Mg/l

CaSO₄ · 2H₂O

2,090 Mg/l

MgCO₃

103 Mg/l

REMARKS _____

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066Office (435) 722-5066
Fax (435) 722-5727**WATER ANALYSIS REPORT**

Company INLAND Address _____ Date 04-08-98
 Source SPV 11-15-9-17 TR Date Sampled _____ Analysis No. _____

	Analysis	mg/l(ppm)	*Mg/l
1. PH	<u>8.6</u>		
2. H ₂ S (Qualitative)	<u>1.5</u>		
3. Specific Gravity	<u>1.017</u>		
4. Dissolved Solids		<u>15,816</u>	
5. Alkalinity (CaCO ₃)			
6. Bicarbonate (HCO ₃)			
7. Hydroxyl (OH)			
8. Chlorides (Cl)			
9. Sulfates (SO ₄)			
10. Calcium (Ca)			
11. Magnesium (Mg)			
12. Total Hardness (CaCO ₃)			
13. Total Iron (Fe)			
14. Manganese			
15. Phosphate Residuals			

CO ₃	<u>0</u>	+ 30	<u>0</u>	CO ₃
HCO ₃	<u>2,200</u>	+ 61	<u>36</u>	HCO ₃
OH	<u>0</u>	+ 17	<u>0</u>	OH
Cl	<u>7,800</u>	+ 35.5	<u>219</u>	Cl
SO ₄	<u>0</u>	+ 48	<u>0</u>	SO ₄
Ca	<u>6</u>	+ 20	<u>0</u>	Ca
Mg	<u>10</u>	+ 12.2	<u>1</u>	Mg

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Eqvly. Wt.	X	Mg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04				
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17	<u>1</u>			<u>73</u>
MgSO ₄	60.19				
MgCl ₂	47.82				
NaHCO ₃	84.00	<u>35</u>			<u>2,940</u>
Na ₂ SO ₄	71.03				
NaCl	58.46	<u>219</u>			<u>12,803</u>

Saturation Values**Distilled Water 20°C**

CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,060 Mg/l
MgCO ₃	103 Mg/l

Received Time Apr. 13. 3:05PM

REMARKS _____

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

04-13-98

WATER DESCRIPTION:	JOHNSON WATER	SPV 11-15-9-17 TR
P-ALK AS PPM CaCO ₃	0	0
M-ALK AS PPM CaCO ₃	492	3608
SULFATE AS PPM SO ₄	110	0
CHLORIDE AS PPM Cl	35	7800
HARDNESS AS PPM CaCO ₃	0	0
CALCIUM AS PPM CaCO ₃	110	15
MAGNESIUM AS PPM CaCO ₃	90	41
SODIUM AS PPM Na	92	5842
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	15816
TEMP (DEG-F)	150	150
SYSTEM pH	7	8.6

WATER COMPATIBILITY CALCULATIONS

JOHNSON WATER AND SPV 11-15-9-17 TR

CONDITIONS: TEMP.=150 AND pH=7.8

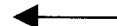
WATER ONE IS JOHNSON WATER

% OF WATER # 1	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.13	34	0	0	0
90	1.25	32	0	0	0
80	1.30	30	0	0	0
70	1.30	27	0	0	0
60	1.29	23	0	0	0
50	1.24	20	0	0	0
40	1.18	17	0	0	0
30	1.10	13	0	0	0
20	.99	10	0	0	0
10	.86	7	0	0	0
0	.66	4	0	0	0

Attachment G

Jorgenson State #16-4
Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4444	5523	4984	1864	0.73	1310
				Minimum	1310



Calculation of Maximum Surface Injection Pressure

$$P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$$

where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.005.

Frac Gradient is obtained from the service company's frac summary report.

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. **Plug #1** Set 367' plug from 5206'-5573' with 75 sxs Class "G" cement.
2. **Plug #2** Set 258' plug from 4344'-4602' with 30 sxs Class "G" cement.
3. **Plug #3** Set 200' plug from 2000'-2200' with 30 sxs Class "G" cement.
4. **Plug #4** Set 100' plug from 211'-311' (50' on either side of casing shoe) with 15 sxs Class "G" cement.
5. **Plug #5** Set 50' plug from surface with 10 sxs Class "G" cement.
6. Pump 10 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 261' to surface.

The approximate cost to plug and abandon this well is \$18,000.

Spud Date: 6/25/81
 Put on Production: 10-21-81
 GL: 5277' KB: 5289'

K. Jorgenson State 16-4

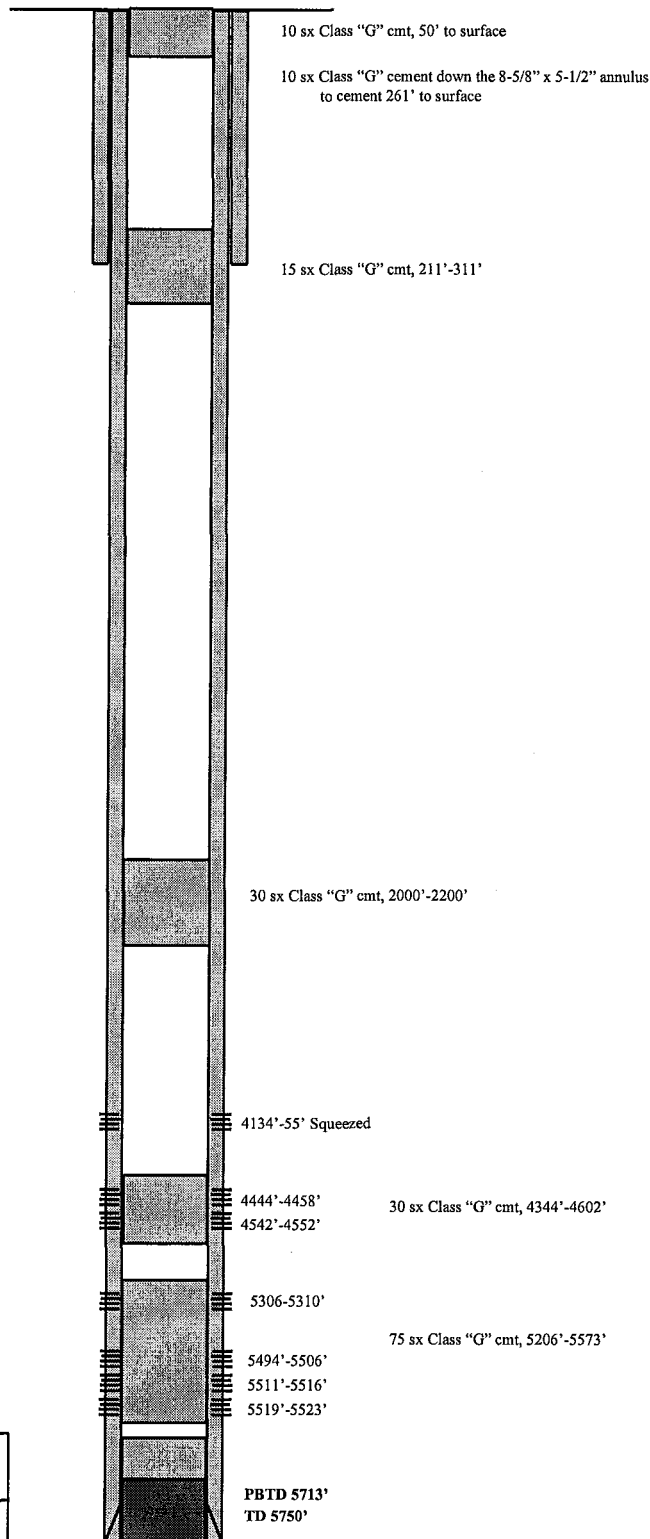
SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE:
 WEIGHT:
 DEPTH LANDED: 261'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 428 sxs Class "G"

PRODUCTION CASING

CSG SIZE: 5-1/2" & 4-1/2"
 GRADE:
 WEIGHT: 15.5#
 LENGTH:
 DEPTH LANDED: 3013' & 5750'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 855 sxs 50/50 Type 5W

Proposed P&A Wellbore Diagram



Inland Resources Inc.

K. Jorgenson State 16-4
 660' FEL and 1984' FSL
 NESE Section 16-T9S-R17E
 Duchesne Co, Utah
 API #43-013-30572; Lease #ML-3453B

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE	:	NOTICE OF AGENCY
APPLICATION OF INLAND	:	ACTION
PRODUCTION COMPANY FOR	:	
ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC-234
THE JORGENSEN STATE 16-4 WELL	:	
LOCATED IN SECTION 16,	:	
TOWNSHIP 9 SOUTH, RANGE	:	
17 EAST, S.L.M., DUCHESNE	:	
COUNTY, UTAH, AS A CLASS II	:	
INJECTION WELL	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED
MATTER.

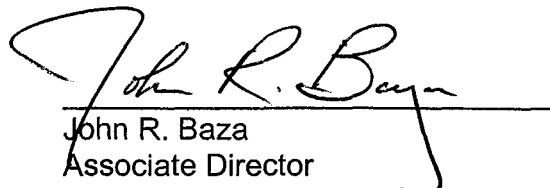
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Jorgenson State 16-4 well, located in Section 16, Township 9 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure and rate will be determined on each individual well based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 21st day of October, 1998.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING


John R. Baza
Associate Director



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

October 21, 1998

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066-9998

Re: Notice of Agency Action - Cause No. UIC-234

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

A handwritten signature in cursive script that reads "Lorraine Platt".

Lorraine Platt
Secretary

Enclosure



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

October 21, 1998

Newspaper Agency Corporation
Legal Advertising
PO Box 45838
Salt Lake City, Utah 84145

Re: Notice of Agency Action - Cause No. UIC-234

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Lorraine Platt
Secretary

Enclosure

**Inland Production Company
Jorgenson State 16-4 Well
Cause No. UIC-234**

Publication Notices were sent to the following:

Inland Production Company
410 17th Street, Suite 700
Denver, Colorado 80202

Inland Production Company
Route #3 Box 3630
Myton, Utah 84052

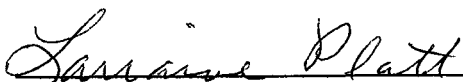
Newspaper Agency Corporation
Legal Advertising
P.O. Box 45838
Salt Lake City, Utah 84145

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Vernal District Office
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

U.S. Environmental Protection Agency
Region VIII
Attn. Dan Jackson
999 18th Street
Denver, Colorado 80202-2466

School & Institutional Trust Lands Administration
Attn: Jim Cooper
675 East 500 South
Salt Lake City, Utah 84102



Lorraine Platt
Secretary
October 21, 1998

Brittany Spaniel, White/
Peach color, Shorthair, slender. Hancock Cove area,
Lost Oct. 19, 1998, Call
722-2006 ask for Mark.
10-27 3tc

FARM MARKET

Steel Pipe for fences, gates,
1, 5/16—\$.26 ft.; 1, 1/2—
\$.39; 1 5/8—\$.42; 1, 7/8—
\$.64; 2, 3/8—\$.64; 2, 7/8—
\$.69; 3, 1/2—\$.69; 4, 1/2—
\$.54; 6, 5/8—\$1.59. FREE
stock/price list. Metalmart
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947-0249 10-27 1tp

Fence Posts "Heavy Duty"
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\$.79 ea; or 21' lengths for
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947-0249. 10-27 1tp

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barns, sheds, homes. Gal-
vanized. \$.39 s.f.; grey 29
ga. \$.45 s.f.; red-\$.45 s.f.;
white \$.53 s.f.; 22 ga blue
\$.59 s.f.; Colors/custom
orders-\$.29-ga, \$.56 s.f.
Free stock/price list.
Metalmart. Lehi 1-800-
947-0249 10-27 1tp

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dalmation. FREE!! 353-
4137
10-27 2tp

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50x100x16, \$16,023;
60x100x16m \$18,278.
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10-27 1tp

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INGS. 20'x30'x10',
\$2787.00; 24'x36'x10',
\$3558.00; 30'x48'x10',
\$4966.00. Stall Mats
4'x6'x3/4", \$33.00. Many
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Built, Engineering, Finan-
cing. Free Brochure. 1-888-

OF AGENCY ACTION

CAUSE NO. ACHE-
234.

IN THE MATTER OF
THE APPLICATION OF
INLAND PRODUCTION
COMPANY FOR AD-
MINISTRATIVE AP-
PROVAL OF THE
JORGENSEN STATE 16-
4 WELL LOCATED IN
SECTION 16, TOWN-
SHIP 9 SOUTH, RANGE
17 EAST, S.L.M.,
DUCHESE COUNTY,
UTAH, AS A CLASS II
INJECTION WELL.

THE STATE OF
UTAH TO ALL PER-
SONS INTERESTED IN
THE ABOVE ENTITLED
MATTER.

Notice is hereby given
that the Division of Oil,
Gas and Mining (the "Divi-
sion") is commencing an
informal adjudicative pro-
ceeding to consider the ap-
plication of Inland Produc-
tion Company for adminis-
trative approval of the
Jorgenson State 16-4 well,
located in Section 16, Town-
ship 9 South, Range 17 East,
S.L.M., Duchesne County,
Utah, for conversion to a
Class II injection well. The
proceeding will be con-
ducted in accordance with
Utah Admin. R.649-10,
Administrative Procedures.

The Green River Forma-
tion will be selectively per-
forated for water injection.
The maximum injection
pressure and rate will be
determined on each indi-
vidual well based on frac-
ture gradient information
submitted by Inland Pro-
duction Company.

Any person desiring to
object to the application or
otherwise intervene in the
proceeding, must file a writ-
ten protest or notice of in-
tervention with the Divi-
sion within fifteen days
following publication of
this notice. If such a protest
or notice of intervention is
received, a hearing will be
scheduled before the Board
of Oil, Gas and Mining.
Protestants and/or interven-
ors should be prepared to
demonstrate at the hearing
how this matter affects
their interests.

Dated this 21st day of
October, 1998.

STATE OF UTAH
DIVISION OF OIL,
GAS & MINING

John R. Baza, Associate
Director

Published in the Uintah
Basin Standard Oct. 27,
1998.

OF NONDIS- CRIMINA- TION

Uintah Basin Telephone
Association; Inc. has filed
with the Federal Govern-
ment a Compliance Assur-
ance, in which it assures the
Rural Utility Services that
it will comply fully with all
requirements of Title VI of
the Civil Rights Act of
1964, and the Rules and
Regulations of the Depart-
ment of Agriculture issued
thereunder, to the end that
no person in the United
States, shall, on the ground
of race, color or national
origin, be excluded from
participation in, be denied
the benefits of or be other-
wise subjected to discrimi-
nation in the conduct of its
program and the operation
of its facilities. Under this
assurance, this organization
is committed not to dis-
criminate against any per-
son and practices relating
to treatment of beneficia-
ries and participants or the
exercise of any rights of
such beneficiaries and par-
ticipants in the conduct of
the operations of this orga-
nization.

"Any person who be-
lieves himself or any spec-
ific class of individuals, to
be subjected by this organi-
zation to discrimination
prohibited by Title VI of
the Act and the Rules and
Regulations issued there-
under may by himself or a
representative, file with the
Secretary of Agriculture,
Washington D.C., 20250 or
the Rural Electrification
Administration, Washing-
ton D.C., 20250 or this or-
ganization, or all, a written
complaint. Such complaint
must be filed no later than
180 days after the alleged
discrimination, or by such
later date to which the Sec-
retary of Agriculture or the
Rural Electrification Ad-
ministration extends the
time for filing. Identity of
complaints will be kept
confidential except to the
extent necessary to carry
out the purposes or the
Rules and Regulations." Published in the Uintah
Basin Standard Oct. 27,
1998.

PUBLIC NOTICE

PUBLIC NOTICE OF
INTENT TO ISSUE an
ENVIRONMENTAL

being taken as provided by
Part C of the safe Drinking
Water Act and attendant
regulations.

PUBLIC COMMENTS

All non-proprietary data
submitted by Coastal Oil &
Gas Corporation, as well as
the Draft Major permit
Modification, No. 1 pre-
pared by the EPA, are con-
tained in the administrative
record for this Coastal Oil
& Gas Corporation pro-
posed Class IID disposal
injection well, Ute No. 1-
14C6, SWD, Altamont/
Burbett Field, Duchesne
County, Utah. This infor-
mation is available for pub-
lic inspection at this EPA
location from 9:00 a.m. to
5:00 p.m.

Environmental Protec-
tion Agency, Region VIII,
8P-W-GW, 999-18th Street
- Suite 500, Denver, CO
80202-2466, ATTEN-
TION: D. EDWIN
HOGLE, Telephone: (303)
312-6137.

Public Comments are
encouraged and will be ac-
cepted, in writing, at the
above Denver office for a
period of thirty (30) days
after publication of this
notice. A request for a pub-
lic hearing should be made
in writing and should state
the nature of the issues pro-
posed to be raised at the
hearing. A PUBLIC HEAR-
ING WILL BE HELD
ONLY IF SIGNIFICANT
INTEREST IS SHOWN.

FINAL MAJOR PER-
MIT MODIFICATION:
NO. 1 DECISION AND
APPEAL PROCESS

After the close of the
public comment period,
EPA will issue a Final
Major Permit Modifica-
tion: No. 1, and will notify
all commenters regarding
the decision. The final deci-
sion may be to: issue, deny,
modify, or revoke and re-
issue Final major Permit
Modification, No. 1. The
final decision shall become
effective thirty (30) days
after the final decision is
issued, unless no
commenters requested a
substantial change in the
Draft Major Permit Modi-
fication: No. 1, in which
case the Final Major Permit
Modification, No. 1 shall
become effective upon is-
sueance.

Within thirty (30) days
after the Final major Permit

01 ALTAMONT
Town Hall
4076 North 1557
Altamont

03 DUCHESE #1
County Courthou
50 East 100 Sou
Duchesne

04 DUCHESE #2
County Adminis
Building
734 North Center

Fruitland/Water
Office
6186 South 4500
Fruitland

08 MTN. HOME
Moon Lake LDS
20631 West 3750
Mtn. Home

GENERAL ELECTION B

Format G

If you wish to cast a "STRAIGHT"
ALL the candidates of ONE PARTY, p
indicated for the desired party.
If you do not wish to vote "STRAIG
individual votes accordingly.

REPUBLICAN	St
DEMOCRATIC	St
INDEPENDENT AMERICAN	St
LIBERTARIAN	St

For U.S. SENATOR

ROBERT F. BENNETT
SCOTT LECHMAN
GARY R. VAN HORN

For U.S. REPRESENTATIVE, District #3

CHRIS CANNON
WILL CHRISTENSEN

KITTY K. BURTON

For STATE SENATOR, District #28

BEVERLY EVANS
JERRY B. ROMERO
STEVE SADY

For STATE REPRESENTATIVE, District #54

GORDON E. SNOW
CINDY BARTON-BOONBS

PROPOS
LEGISLATIVE ELIGIB
Shall the Utah Constitution be am
1) require that, for the off
representative, the three y
consecutive; the six mon
legislative district be cons
immediately prior to the l
filing for the office; and
2) remove the reference to
eligibility requirements fo
state representative are to

PROPOS
RESOLUTION
MARITAL PROPE
Shall the Utah Constitution be a
regarding real and personal e
ment?

PROPC
ACCEPTANCE OF TRU
Shall the Utah Constitution be
purpose; and beneficiaries of sch
trust by the state?

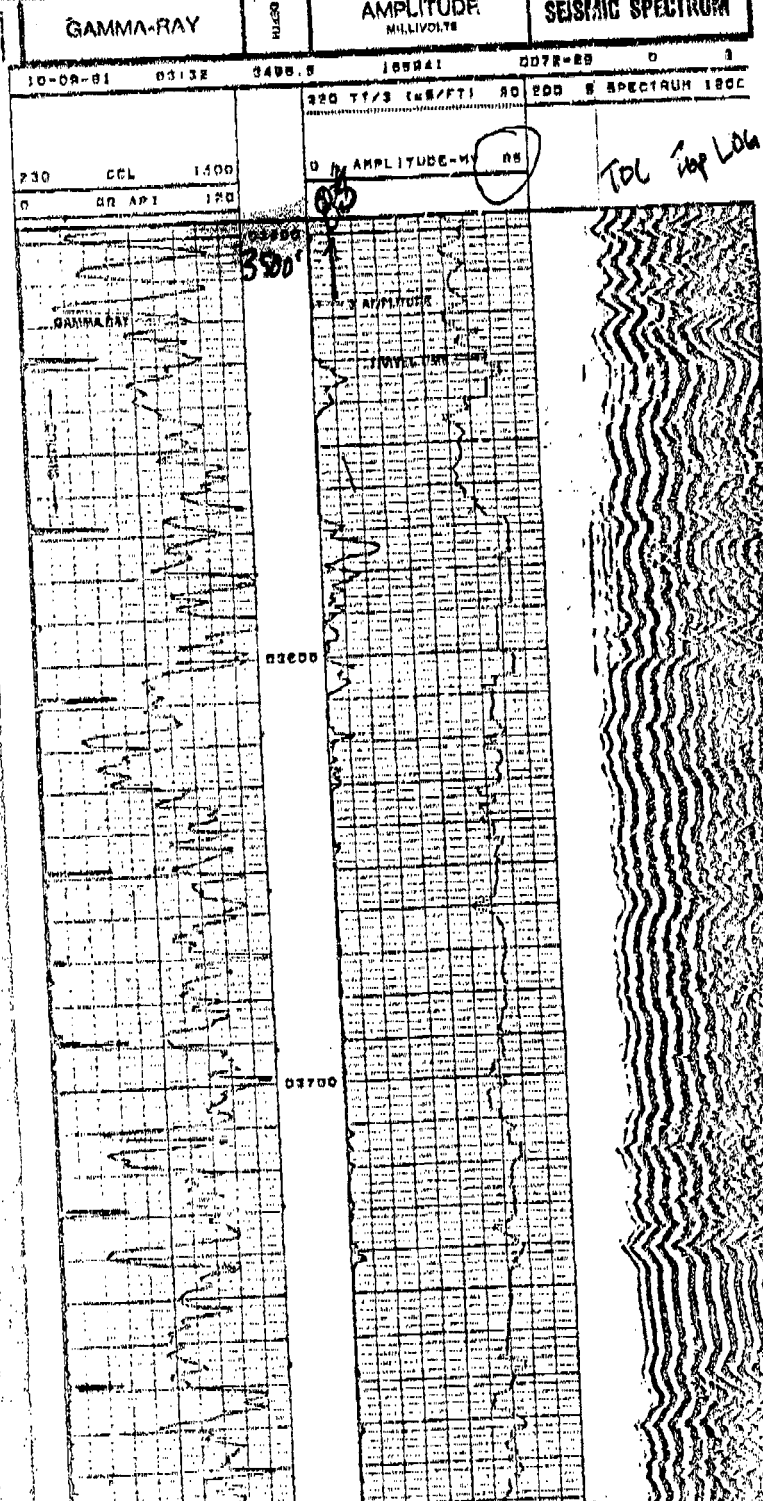
NOTICE

McKeachnie, Allred &
McClellan, P.C.

WELL COMPANY: PARKER OIL & GAS CORP. WELL NO.: 16-4 FIELD: MORGENTHAU BUTTE COUNTY: CROOKS LOCATION: 10-9-81 DEPTH: 660' EST.		LOG LOG NO.: 10-9-81 LOG TYPE: 172 LOG DATE: 10-9-81 LOG TIME: 10:49 AM	
LOGGING INFORMATION LOGGING COMPANY: [Blank] LOGGING DATE: [Blank] LOGGING TIME: [Blank] LOGGING LOCATION: [Blank]			
LOGGING DATA LOGGING TYPE: [Blank] LOGGING DATE: [Blank] LOGGING TIME: [Blank] LOGGING LOCATION: [Blank]			
LOGGING DATA LOGGING TYPE: [Blank] LOGGING DATE: [Blank] LOGGING TIME: [Blank] LOGGING LOCATION: [Blank]			

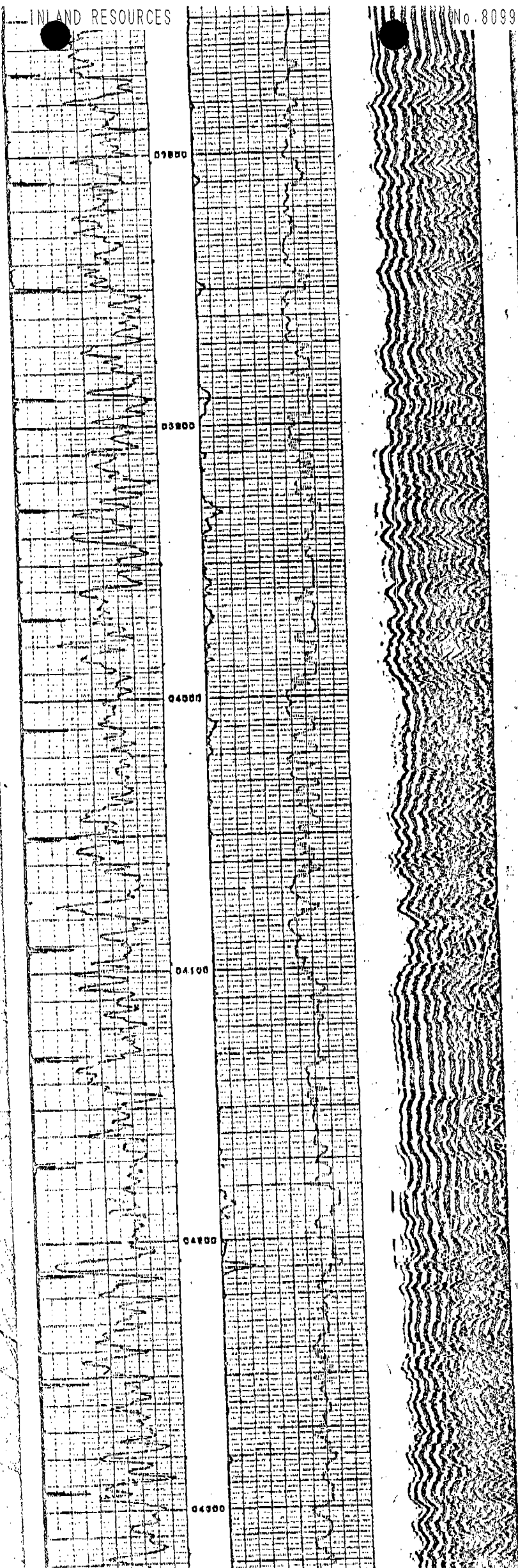
State 16-4

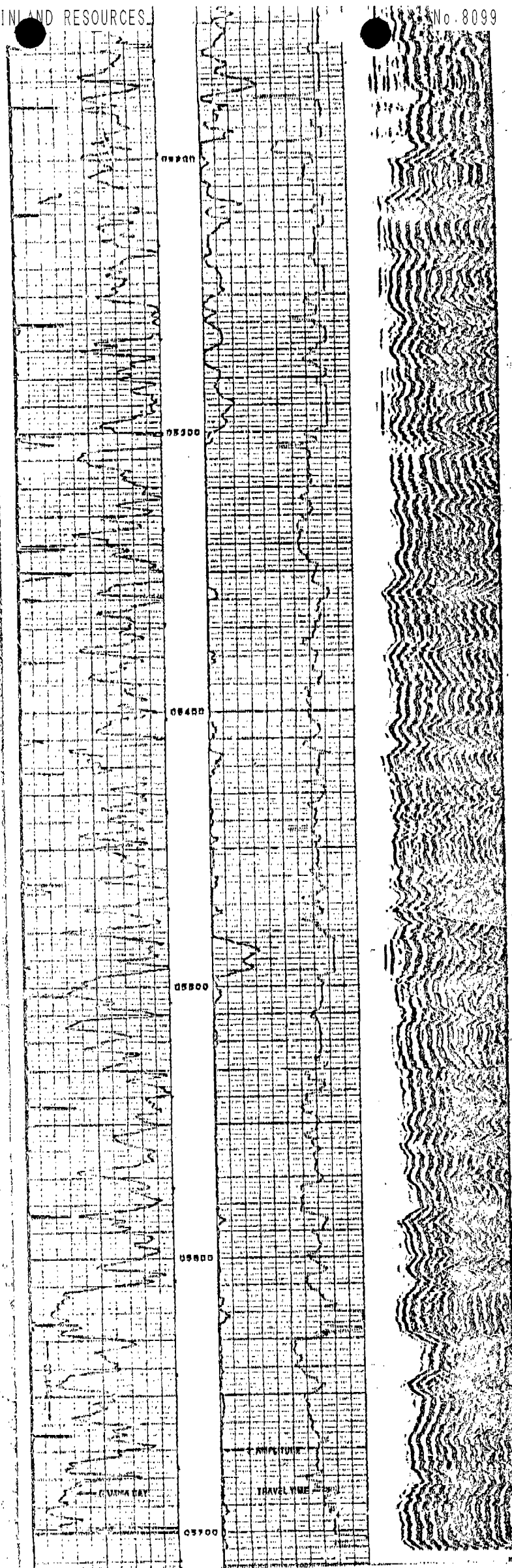
16-93-173

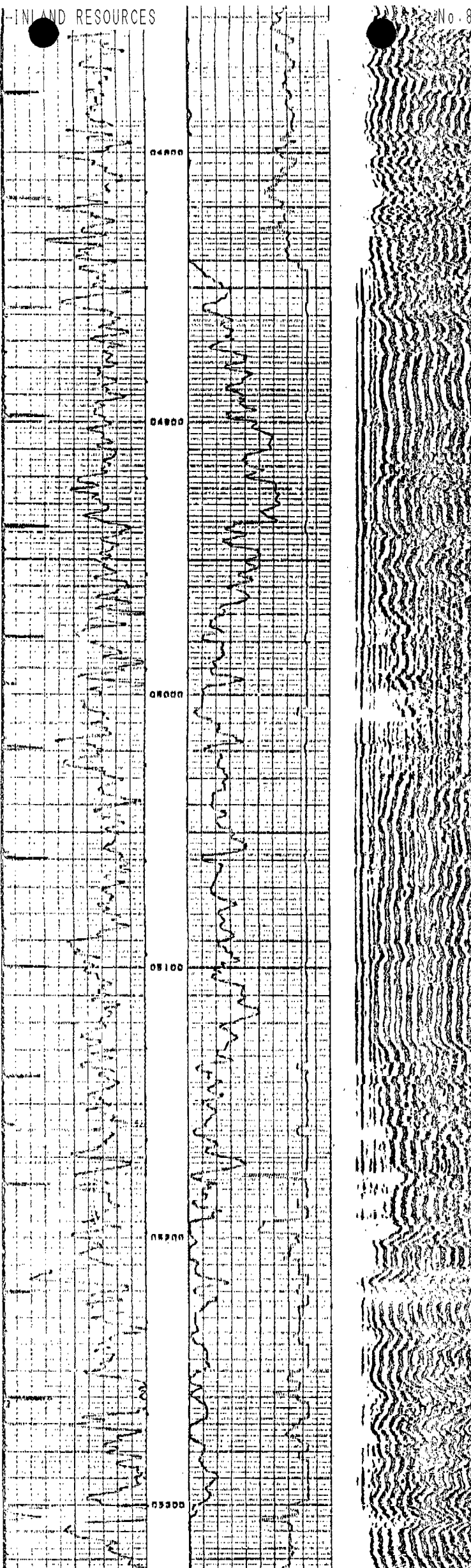


Winters - Surf
 19/2
 approx 1300'
 Garden Gulch
 3045'

80% = 2.2 ms







Top Douglas Cr
→ 4366

4372

4432

04300

04400

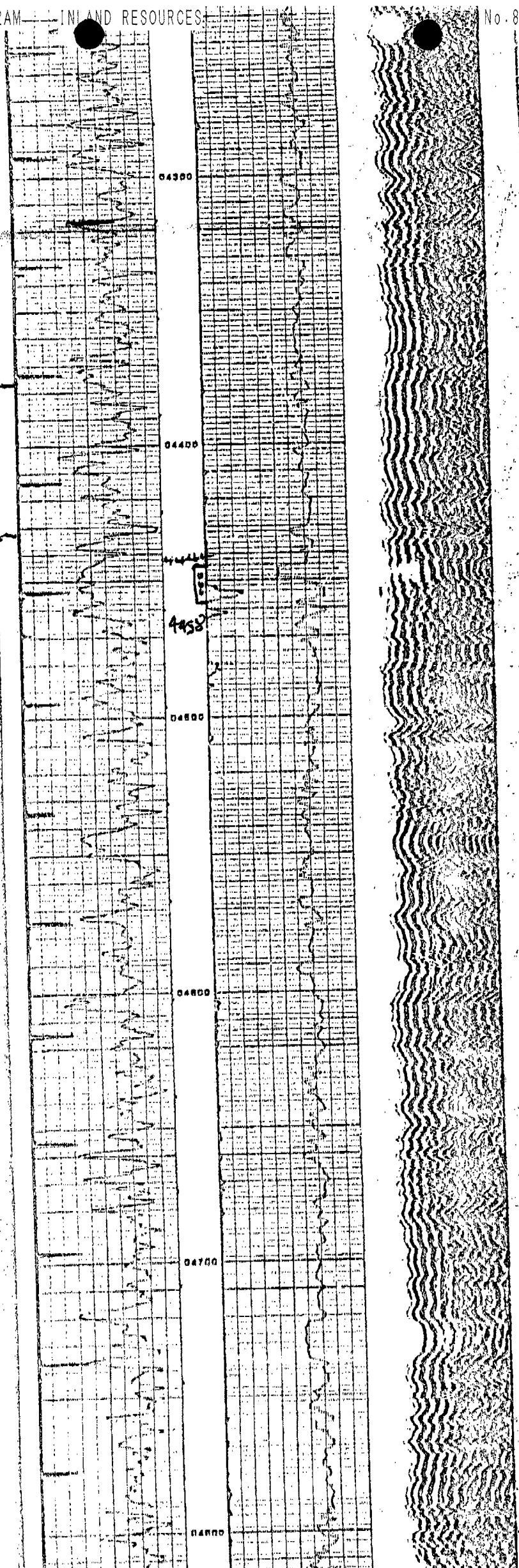
4458

04500

04600

04700

04800



LONE TREE UNIT WELL LISTING

AS OF 7/13/98

T. 9S, R. 17E

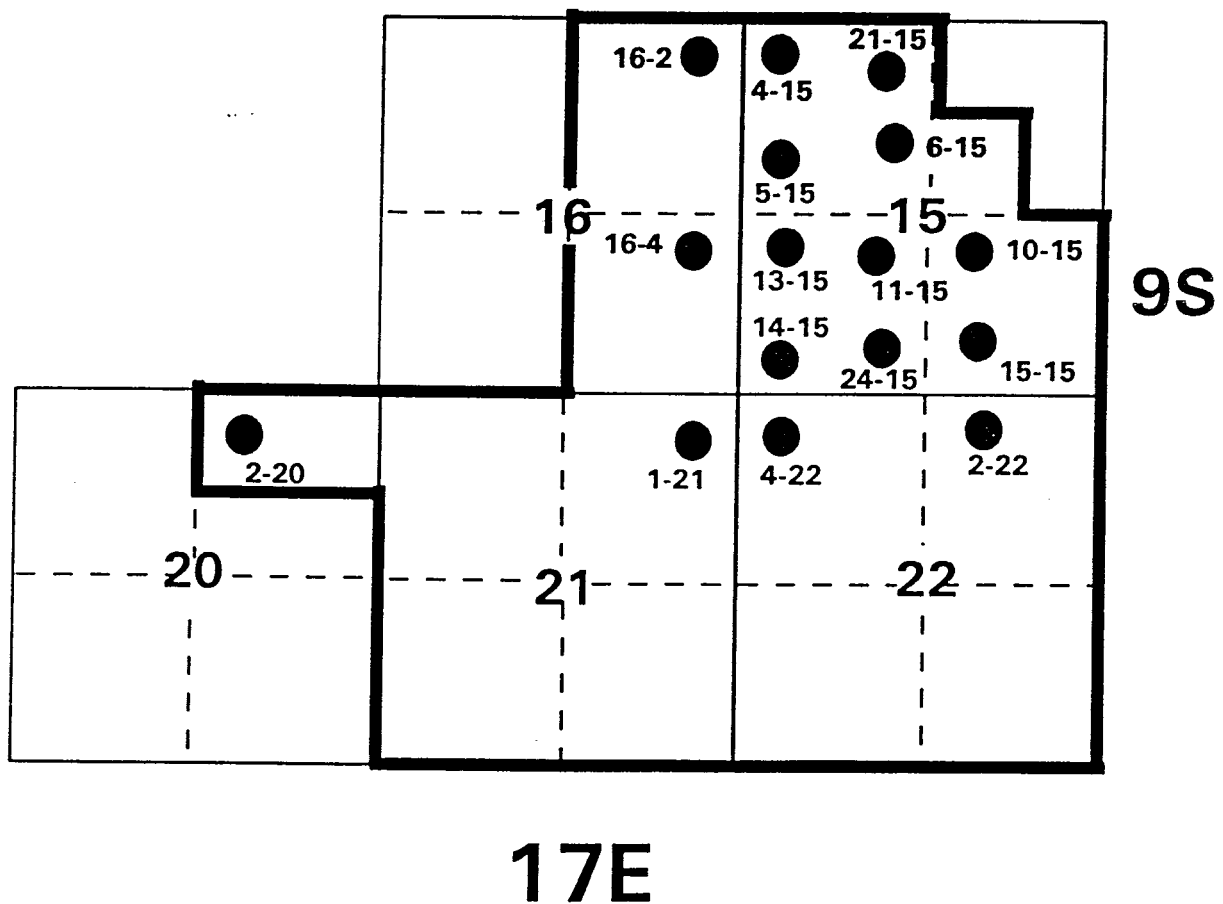
SEC.	FIELD	WELL NAME	STATUS	API NUMBER	
22	LONE TREE UNIT	SOUTH PLEASANT VALLEY #4-22	PROD	4301331522	11813
21	LONE TREE UNIT	SOUTH PLEASANT VALLEY #1-21	PROD	4301334562	11870
22	LONE TREE UNIT	S. PLEASANT VALLEY FED 3-22-9-17	PROD	4301332024	12332
20	LONE TREE UNIT	SOUTH PLEASANT VALLEY #2-20	PROD	4301331737	12047
15	LONE TREE UNIT	PLSNT VLY #21-15H	PROD	4301330641	6145
15	LONE TREE UNIT	PLSNT VLY FED #14-15H	PROD	4301331695	12101
15	LONE TREE UNIT	PLSNT VLY FED #13-15H	PROD	4301331698	12100
15	LONE TREE UNIT	S. PLEASANT VALLEY FED 4-15-9-17	PROD	4301332018	12317
15	LONE TREE UNIT	S. PLEASANT VALLEY 5-15	PROD	4301331810	12311
15	LONE TREE UNIT	S. PLEASANT VALLEY 6-15-9-17	PROD	4301332019	12319
15	LONE TREE UNIT	S. PLEASANT VALLEY 11-15	PROD	4301331991	12301
15	LONE TREE UNIT	S. PLEASANT VALLEY 15-15	PROD	4301331992	12303
15	LONE TREE UNIT	PLSNT VLY #24-15H	PROD	4301330681	6150
15	LONE TREE UNIT	S. PLEASANT VALLEY 7-15-9-17	PROD	4301332020	12356
15	LONE TREE UNIT	S. PLEASANT VALLEY 10-15	PROD	4301332022	12315
22	LONE TREE UNIT	S. PLEASANT VALLEY 2-22-9-17	PROD	4301332023	12326
* 16	LONE TREE UNIT	K JORGENSEN ST 16-4	SI	4301330572	1452
16	LONE TREE UNIT	STATE #16-2	SI	4301330552	1451

LONE TREE (GR) UNIT ENTITY 12417 EFF 7-1-98.

LONE TREE (GREEN RIVER) UNIT

DUCHESNE COUNTY, UTAH

EFFECTIVE: JULY 1, 1998



— UNIT OUTLINE (UTU77236X)
2,200.00 ACRES

SECONDARY ALLOCATION	
FEDERAL	91.81%
STATE	9.19%



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 500
DENVER, CO 80202-2466

AUTHORIZATION FOR AN ADDITIONAL WELL
TO THE
LONE TREE AREA PERMIT: UT2853-00000

The Environmental Protection Agency (EPA) authorizes the inclusion of an additional enhanced recovery injection well to the Lone Tree Area Permit No. UT2853-00000, as authorized by 40 CFR § 144.33 (c). The additional well is described as:

WELL NAME: JORGENSEN STATE NO. 16-4

WELL PERMIT NUMBER: UT2853-04498

SURFACE LOCATION: 1984' FSL & 660' FEL (NE SE)
Sec. 16 - T9S - R17E
Duchesne County, Utah.

This well is subject to all provisions of the original Lone Tree Area Permit (UT2853-00000) unless specifically detailed below:

CONSTRUCTION:

SURFACE CASING: 8-5/8 inch casing set at 261 feet ground level (GL) in a 12-1/4 inch hole, with 428 sacks of Class "G" circulated to the surface.

LONGSTRING CASING: 5-1/2 inch casing set at 3013 feet kelly bushing (KB) and 4-1/2 inch casing set at 5750 feet KB in a 7-7/8 inch hole, with 855 sacks of 50/50 Type 5W 2% gel cement with 10% salt. By Schematic Diagram, the applicant identifies cement to surface. **The EPA cement bond log analysis, per CEMENT BOND LOGGING TECHNIQUES AND INTERPRETATION: GUIDANCE NO. 34** enclosed, identifies the top of EPA-required 80% effective annulus cement bond from CBL top of 3500 feet to CBL total depth feet (5713 feet). The uppermost perforated interval is 4444 feet to 4458 feet in the Douglas Creek Member of the Green River Formation.

Total depth (TD) is 5750 feet in the Douglas Creek Member of the Green River Formation. Plug back total depth (PBTD) is 5713 feet.



TUBING: The applicant states that this well will be equipped with 2-3/8 tubing with a packer to be set at a depth no higher than 100 feet above the top perforation. The applicant can use any size tubing that will be most effective in the operation of this facility.

OPERATION: MAXIMUM INJECTION PRESSURE: A temporary maximum surface injection pressure (MIP) of **1311 psig** will be in effect until the permittee conducts the required step-rate test, which test will be conducted within six (6) months following receipt of authorization to inject.

$$\text{MIP} = [(\text{FG}) - (0.433)(\text{SG})] \text{ D}$$

$$\text{FG} = \text{Fracture Gradient: } 0.71 \text{ psi/ft}$$

$$\text{SG} = \text{Specific Gravity: } 1.005$$

$$\text{D} = \text{Depth to top perforation: } 4444 \text{ feet}$$

$$\text{MIP} = [(0.71) - (0.433)(1.005)] 4444$$

$$\text{MIP} = \text{1311 psig}$$

PLUGGING AND ABANDONMENT: The Plugging and Abandonment (P&A) Plan (Application Attachment Q-2) submitted by the applicant has been reviewed and modified by the EPA to be consistent with EPA requirements to protect all USDWs. The EPA has added Plugs No. 5 and No. 7. The permittee will place 9.2 ppg plugging gel between all cement plugs.

PLUG NO. 1: Cement squeeze 5206 feet to 5573 feet.

PLUG NO. 2: Cement squeeze 4344 feet to 4602 feet.

PLUG NO. 3: Set a cement plug, inside of the 5-1/2 inch casing, from 2000 feet to 2200 feet.

PLUG NO. 4: Set a cement plug, inside the 5-1/2 inch casing, from 211 feet to 311 feet.

PLUG NO. 5: Set a cement plug, on the backside of the 5-1/2 inch casing, from 211 feet to 311 feet.

PLUG NO. 6: Set a cement plug, inside of the 5-1/2 inch casing, from surface to a depth of 50 feet.

PLUG NO. 7: Set a cement plug on the backside of the 5-1/2 casing from the surface to a depth of 50 feet.

PRIOR TO BEGINNING INJECTION: This document is being issued without authorization to inject. Prior to beginning injection operations, the permittee is required to submit the following information for EPA review and approval:

- 1) A successful mechanical integrity test.
- 2) A pore pressure calculation for the proposed injection zone.
- 3) An EPA Form No. 7520-12 (Well Rework Record enclosed).

A step-rate test (SRT) will be conducted within six (6) months following the commencement of injection.

Please be advised that the MIT, and SRT will be conducted following Guidelines enclosed. Any deviation from those Guidelines, without written approval of the Director, may result in denial of the survey/test.

UNDERGROUND SOURCE OF DRINKING WATER: The base of the underground sources of drinking water (USDW) in the Jorgenson State No. 16-4 is approximately 135 feet below the ground surface, and within the Uinta Formation. The source for the location of the base of the USDW is the State of Utah, Publication No. 92, "Base of Moderately Saline Ground Water in the Uinta Basin, Utah." Surface casing has been set at 261 feet KB and was cemented to the surface.

CONFINING ZONE REVIEW: For the confining zone above the top of the Green River Formation Garden Gulch Member, the EPA has used the CBL from the Federal No. 13-15H (NW SW Sec. 15 - T9S - R17E: One-quarter [1/4] mile northeast of the Jorgenson State No. 16-4). The top of the CBL (3500 feet) on the Jorgenson State No. 16-4 was below the top of the Garden Gulch Member 3045 feet)

The gamma ray curve on the Federal No. 13-15H shows the total Green River Formation, 1302 feet to total depth (5700 feet), has thick, tight, competent shale and marl intervals between all sands. The top of the Garden Gulch Member is 3415 feet. The confining zone above the top of the Garden Gulch Member (3328 feet to 3415 feet [87 feet]) is composed of silty shale.

Jorgenson State No. 16-4: The top of the Douglas Creek Member is 4366 feet. The confining zone above the top of the Douglas Creek Member (4298 feet to 4366 feet: 68 feet) is silty shale. The confining zone (4372 feet to 4432 feet: 60 feet) above the top Douglas Creek Member perforations (4444 feet to 4458 feet) is also silty shale.

PERMITTED INJECTION INTERVAL: Injection will be limited to the gross Garden Gulch/Douglas Creek Members of the Green River Formation, 3045 feet KB to the base of the Douglas Creek Member, approximately 5750 feet.

INJECTION INTERVAL: THE EPA HEREBY AUTHORIZES A GROSS INJECTION INTERVAL FROM THE TOP OF THE GARDEN GULCH MEMBER AT 3045 FEET TO 5750 FEET. INLAND PRODUCTION COMPANY MAY PERFORATE INJECTION INTERVALS BETWEEN 3045 FEET TO 5750 FEET. HOWEVER, CEMENT BOND INFORMATION PROVIDED TO EPA FOR THIS WELL DOES NOT EXTEND ABOVE 3500 FEET. THEREFORE, INLAND SHALL NOT INJECT INTO THE PERMITTED ZONE ABOVE 3500 FEET WITHOUT SUBMITTING ADDITIONAL INFORMATION SHOWING ACCEPTABLE CEMENT OR FLUID CONFINEMENT, AND RECEIVING WRITTEN APPROVAL FOR SUCH INJECTION.

PERMITTED INJECTION FLUID: The Lone Tree Area Permit (Issued and Effective September 1, 1998) authorized the injection of water produced from the Garden Gulch and Douglas Creek Members (total dissolved solids [TDS] 15,816 mg/l and source water obtained from the Johnson Water District TDS 593 mg/l).

CORRECTIVE ACTION: Construction records of the six (6) existing wells within a one-half (½) mile of the Jorgenson State No. 16-4 were reviewed and found to be adequate.

Reference Utah Division of Water Rights - Well Log Data Base Location Listing: The closest water well to the greater Inland area of operations, i.e., T8-9S R16-17E, and T4S - R1W, is located 1000 feet from the south line and 900 feet from the west line of Section 10 - T4S - R1W (US Base and Meridian).

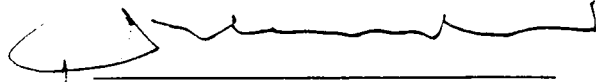
If, as a result of injection into the Jorgenson State No. 16-4, upward fluid migration occurs behind the longstring in any of the oil wells to be "serviced" by the Jorgenson State No. 16-4, injection into that/those well(s) will be immediately discontinued. No further injection will be allowed until the proper remedial work has been performed, and approved by the EPA. Any flowage within such well will be considered noncompliance with the Area Permit.

Cement bond logs and construction schematic diagrams of the one (1) Douglas Creek oil well, within the one-quarter (1/4) mile area-of-review (AOR) around the Jorgenson State No. 16-4 have been analyzed. No remedial action is required for the Jorgenson State No. 16-4.

FINANCIAL RESPONSIBILITY DEMONSTRATION: The applicant has chosen to demonstrate financial responsibility through a \$1,425,000 Surety Bond, and a Standby Trust Agreement, that have been reviewed and approved by the EPA.

This authorization, for well conversion only, becomes effective upon signature.

Date: December 2 1998



Kerrigan G. Clough
Assistant Regional Administrator
Office of Partnerships and
Regulatory Assistance

K. Jorgenson State 16-4

Spud Date: 6/25/81
Put on Production: 10-21-81
GL: 5277' KB: 5289'

Initial Production: 12 BOPD,
0 MCFPD, 3 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE:
WEIGHT:
DEPTH LANDED: 261'
HOLE SIZE: 12-1/4"
CEMENT DATA: 428 sxs Class "G"

PRODUCTION CASING

CSG SIZE: 5-1/2" & 4-1/2"
GRADE:
WEIGHT: 15.5#
LENGTH:
DEPTH LANDED: 3013' & 5750'
HOLE SIZE: 7-7/8"
CEMENT DATA: 855 sxs 50/50 Type 5W

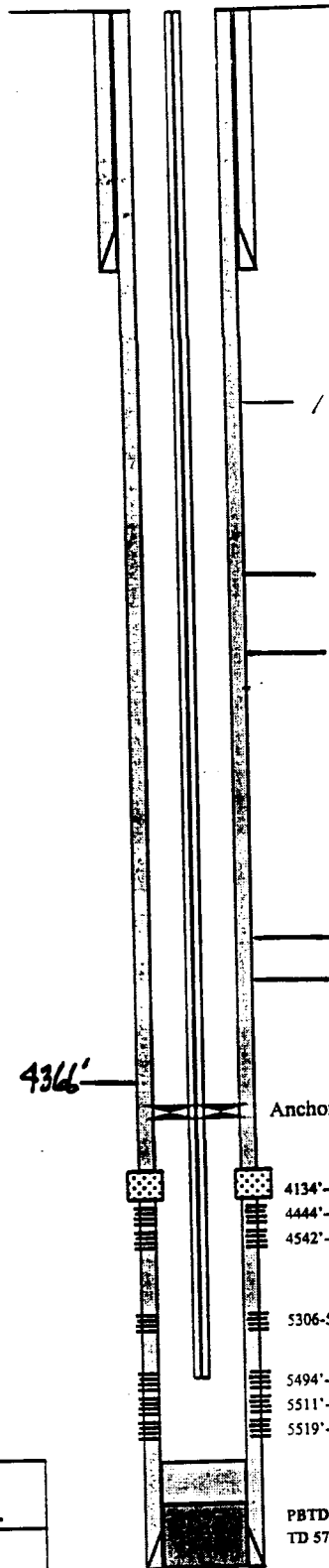
TUBING

SIZE/GRADE/WT.: 2-3/8" /11.6#
NO. OF JOINTS:
TUBING ANCHOR:
TOTAL STRING LENGTH: 4049'
SN LANDED AT:

ROD STRING

POLISHED ROD:
SUCKER RODS:
PUMP SIZE:
STROKE LENGTH:
LOGS: DIFL, DNCR, CBL

Proposed Injection Wellbore Diagram



FRAC JOB

10/81	4134'-4552'	16,168# 20/40 sd and 45,000 10/20# sd. 196 bbls diesel, 90 bbls flush.
06/84	5494'-5523'	390 sxs 20/40 sd and gel wtr
	5306'-5310'	200 sxs 20/40 sd and gel wtr
	4134'-4552'	1500 sxs 20/40 sd and gel wtr.

Umta Fm at Surface

1300' Approximate Top Green River

5-1/2" casing from surface to 3013'

3013: 4-1/2" casing to TD

3405' Top Garden Gulch Member
3500' Top CBL LOG & TOP LEACZ bed.
80% bond.

PERFORATION RECORD

6/84	5306'-5310'	2 SPF
06/84	5494'-5506'	2 SPF
	5511'-5516'	2 SPF
	5519'-5523'	2 SPF
10/81	4134'-4155'	2 SPF Cement Squeezed 6/84
	4444'-4458'	2 SPF
	4542'-4552'	2 SPF

Anchor @ 4384'

4134'-4155' Squeezed
4444'-4458'
4542'-4552'

5306-5310'

5494'-5506'
5511'-5516'
5519'-5523'

PBTD 5713'
TD 5750'



Inland Resources Inc.

K. Jorgenson State 16-4

660' FEL and 1984' FSL

NESE Section 16-T9S-R17E

Duchesne Co, Utah

API #43-013-30572; Lease #ML-3453B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 500
DENVER, CO 80202-2466

OPERATOR RESPONSIBILITIES FOLLOWING MIT FAILURES

- 1) IMMEDIATELY - Cease injection and shut-in the well as rapidly as feasible. In no case shall the well remain in operation beyond 48 hours unless the Director (D. EDWIN HOGLE AT (303) 312-6137) allows for temporary operation of the well.**
- 2) WITHIN 24 HOURS - Verbally notify the UIC Director of MIT failure even in cases where the failure is detected during a test which was witnessed by a UIC inspector.**
- 3) WITHIN 5 DAYS - Submit a written follow-up report documenting test results, remediation taken or a proposed remediation plan and any limits established by the Director on appropriate volume or time for continued injection operation.**



Mechanical Integrity Test Casing or Annulus Pressure Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500, Denver, CO 80202-2466

EPA Witness: _____ Date ____/____/____ Time _____ am/pm

Test conducted by: _____

Others present: _____

Well:

Well ID:

Field:

Company:

Well Location:

Address:

Time	Test #1	Test #2	Test #3
0 min	_____ psig	_____ psig	_____ psig
5	_____	_____	_____
10	_____	_____	_____
15	_____	_____	_____
20	_____	_____	_____
25	_____	_____	_____
30 min	_____	_____	_____
35	_____	_____	_____
40	_____	_____	_____
45	_____	_____	_____
50	_____	_____	_____
55	_____	_____	_____
60 min	_____	_____	_____
Tubing press	_____ psig	_____ psig	_____ psig

Result (circle) Pass Fail

Pass Fail

Pass Fail

Signature of EPA Witness: _____
See back of page for any additional comments & compliance followup.

This is the front side of two sides

Ref: 8WM-DW

MEMORANDUM

SUBJECT: Final Guidance for Conducting a Pressure Test to Determine if a Well Has Leaks in the Tubing, Casing or Packer

FROM: Tom Pike, Chief UIC Direct Implementation

TO: UIC Direct Implementation Permit Writers

Introduction

The Underground Injection Control (UIC) regulations require that an injection well have mechanical integrity at all times (40 CFR 144.28 (f)(2) and 40 CFR 144.51 (q)(1)). A well has mechanical integrity (40 CFR 146.8) if:

- (1) There is no significant leak in the tubing, casing or packer; and
- (2) There is no significant fluid movement into an underground source of drinking water (USDW) through vertical channels adjacent to the injection wellbore.

Definition: Mechanical Integrity Pressure Test for Part I. A pressure test used to determine the integrity of all the downhole components of an injection well, usually tubing, casing and packer. It is also used to test tubing cemented in the hole by using a tubing plug or retrievable packer. Pressure tests must be run at least once every five years. If for any reason the tubing/packer is pulled, the injection well is required to pass another mechanical integrity test of the tubing casing and packer prior to recommencing injection regardless of when the last test was conducted. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on either the attached form or an equivalent form containing the necessary information. A pressure recording chart documenting the actual annulus test pressures must be attached to the form.

This guidance addresses making a determination of Part I of Mechanical Integrity (no leaks in the tubing, casing or

packer). The Region's policy is: 1) to determine if there are significant leaks in the tubing, casing or packer; 2) to assure that the casing can withstand pressure similar to that which would be applied if the tubing or packer fails; 3) to make the Region's test procedure consistent with the procedures utilized by other Region VIII Primacy programs; and 4) to provide a procedure which can be easily administered and is applicable to all class I and II wells. Although there are several methods allowed for determining mechanical integrity, the principal method involves running a pressure test of the tubing/casing annulus. Region VIII's procedure for running a pressure test is intended to aid UIC field inspectors who witness pressure tests for the purpose of demonstrating that a well has Part I of Mechanical Integrity. The guidance is also intended as a means of informing operators of the procedures required for conducting the test in the absence of an EPA inspector.

Pressure Test Description

Test Frequency

The mechanical integrity of an injection well must be maintained at all times. Mechanical integrity pressure tests are required at least every five (5) years. If for any reason the tubing/packer is pulled, however, the injection well is required to pass another mechanical integrity test prior to recommencing injection regardless of when the last test was conducted. The Regional UIC program must be notified of the workover and the proposed date of the pressure test. The well's test cycle would then start from the date of the new test if the well passes the test and documentation is adequate. Tests may be required on a more frequent basis depending on the nature of the injectate and the construction of the well (see Section guidance on MITs for wells with cemented tubing and regulations for Class I wells).

Region VIII's criteria for well testing frequency is as follows:

1. Class I hazardous waste injection wells; initially [40 CFR 146.68(d)(1)] and annually thereafter;
2. Class I non-hazardous waste injection wells; initially and every two (2) years thereafter, except for old permits (such as the disposal wells at carbon dioxide extraction plants which require a test at least every five years);
3. Class II wells with tubing, casing and packer; initially and at least every five (5) years thereafter;

4. Class II wells with tubing cemented in the hole; initially and every one (1) or two (2) years thereafter depending on well specific conditions (See Region VIII UIC Section Guidance #36);
5. Class II wells which have been temporarily abandoned (TAd) must be pressure tested after being shut-in for two years; and
6. Class III uranium extraction wells; initially.

Test Pressure

To assure that the test pressure will detect significant leaks and that the casing is subjected to pressure similar to that which would be applied if the tubing or packer fails, the tubing/casing annulus should be tested at a pressure equal to the maximum allowed injection pressure or 1000 psig whichever is less. The annular test pressure must, however, have a difference of at least 200 psig either greater or less than the injection tubing pressure. Wells which inject at pressures of less than 300 psig must test at a minimum pressure of 300 psig, and the pressure difference between the annulus and the injection tubing must be at least 200 psi.

Test Criteria

1. The duration of the pressure test is 30 minutes.
2. Both the annulus and tubing pressures should be monitored and recorded every five (5) minutes.
3. If there is a pressure change of 10 percent or more from the initial test pressure during the 30 minute duration, the well has failed to demonstrate mechanical integrity and should be shut-in until it is repaired or plugged.
4. A pressure change of 10 percent or more is considered significant. If there is no significant pressure change in 30 minutes from the time that the pressure source is disconnected from the annulus, the test may be completed as passed

Recordkeeping and Reporting

The test results must be recorded on the attached form. The annulus pressure should be recorded at five (5) minute intervals. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on the attached form or an equivalent form. A pressure recording chart documenting the actual annulus test pressures must be attached to the submittal. The tubing pressure at the beginning and end of each test must be recorded. The volume of the annulus fluid bled back at the surface after the test should be measured and recorded on the form. This can be done by bleeding the annulus pressure off and discharging the associated fluid into a five gallon container. The volume information can be used to verify the approximate location of the packer.

Procedures for Pressure Test

1. Scheduling the test should be done at least two (2) weeks in advance.
2. Information on the well completion (location of the packer, location of perforations, previous cement work on the casing, size of casing and tubing, etc.) and the results of the previous MIT test should be reviewed by the field inspector in advance of the test. Regional UIC Guidance #35 should also be reviewed. Information relating to the previous MIT and any well workovers should be reviewed and taken into the field for verification purposes.
3. All Class I wells and Class II SWD wells should be shut-in prior to the test. A 12 to 24-hour shut-in is preferable to assure that the temperature of the fluid in the wellbore is stable.
4. Class II enhanced recovery wells may be operating during the test, but it is recommended that the well be shut-in if possible.
5. The operator should fill the casing/tubing annulus with inhibited fluid at least 24 hours in advance, if possible. Filling the annulus should be undertaken through one valve with the second valve open to allow air to escape. After the operator has filled the annulus, a check should be made to assure that the annulus will remain full. If the annulus can not maintain a full column of fluid, the operator should notify the Director and begin a rework. The operator should measure and report the volume of fluid added to

the annulus. If not already the case, the casing/tubing valves should be closed, at least, 24 hours prior to the pressure test.

Following steps are at the well:

6. Read tubing pressure and record on the form. If the well is shut-in, the reported information on the actual maximum operating pressure should be used to determine test pressures.
7. Read pressure on the casing/tubing annulus and record value on the form. If there is pressure on the annulus, it should be bled off prior to the test. If the pressure will not bleed-off, the guidance on well failures (Region VIII UIC Section Guidance #35) should be followed.
8. Ask the operator for the date of the last workover and the volume of fluid added to the annulus prior to this test and record information on the form.
9. Hook-up well to pressure source and apply pressure until test value is reached.
10. Immediately disconnect pressure source and start test time. (If there has been a significant drop in pressure during the process of disconnection, the test may have to be restarted.) The pressure gages used to monitor injection tubing pressure and annulus pressure should have a pressure range which will allow the test pressure to be near the mid-range of the gage. Additionally, the gage must be of sufficient accuracy and scale to allow an accurate reading of a 10 percent change to be read. For instance, a test pressure of 600 psi should be monitored with a 0 to 1000 psi gage. The scale should be incremented in 20 psi increments.
11. Record tubing and annulus pressure values every five (5) minutes.
12. At the end of the test, record the final tubing pressure.
13. If the test fails, check the valves, bull plugs and casing head close up for possible leaks. The well should be retested.
14. If the second test indicates a well failure, the Region should be informed of the failure within 24 hours by the operator, and the well should be shut-in within 48 hours per Headquarters guidance #76. A follow-up

letter should be prepared by the operator which outlines the cause of the MIT failure and proposes a potential course of action. This report should be submitted to EPA within five days.

15. Bleed off well into a bucket, if possible, to obtain a volume estimate. This should be compared to the calculated value obtained using the casing/tubing annulus volume and fluid compressibility values.
16. Return to office and prepare follow-up.

Alternative Test Option

While it is expected that the test procedure outlined above will be applicable to most wells, the potential does exist that unique circumstances may exist for a given well that precludes or makes unsafe the application of this test procedure. In the event that these exceptional or extraordinary conditions are encountered, the operator has the option to propose an alternative test or monitoring procedures. The request must be submitted by the operator in writing and must be approved in writing by the UIC-Implementation Section Chief or equivalent level of management.

Attachment

SUGGESTED STEP-RATE INJECTIVITY TEST PROCEDURES

The Step-Rate Test (SRT) results will be documented with service company or other appropriate (acceptable) records and/or charts and should be witnessed by an EPA inspector. Witnessing arrangements can be made by contacting the EPA Region VIII Underground Injection Control (UIC) offices using the EPA toll-free number 1-800-227-8917 (x 6137).

The Step-Rate Test Procedure is as follows:

- 1) The well should be shut in long enough prior to testing that the bottom hole pressures approximate shut-in formation pressures. If the shut-in well flows to the surface, the wellhead injection string will be equipped with a gauge and the static surface pressure will be read and recorded.
- 2) A series of successively higher injection rates will be established as suggested below, with the **elapsed time** and **pressure** values read and recorded for each rate. Each step should last exactly as long as the preceding rate. If stabilized pressure values are not obtained within the times suggested below, the test will result in inconclusive results due to a high permeability and/or underpressured injection zone.

Formation Perm (md)

Time per step-rate (min)

≤ 5 md
≥ 10 md

60 min
30 min

- 3) Suggested injection rates:

5%)	
10% ,	
20% {	
40% }	Of Maximum Anticipated Injection Rate
60% ,	
80% ,	
100%)	

- 4) Injection rates should be controlled with a constant flow regulator that has been tested prior to use. A throttling device is not sufficient.
- 5) Flow rates should be measured with a calibrated turbine flowmeter.
- 6) Record injection rates with a chart recorder or a strip chart.
- 7) Measure pressures with a down hole pressure bomb.
- 8) Measure and record injection pressures with a gauge or recorder (for immediate test results).

- 9) A plot of injection rates and the corresponding stabilized pressure values should be graphically represented as a constant slope straight line to a point at which the formation "breakdown" pressure is exceeded. The slope of the subsequent straight line should be less than that of the before-fracture straight line.
- 10) If the fracture pressure has definitely been exceeded with at least two injection rate-pressure combinations greater than the "breakdown" pressure, the injection pump should be stopped and the line valve closed so that the pressure is allowed to bleed-off into the injection formation. There will be an immediate pressure fall-off (Instantaneous Shut-in Pressure or ISIP), after which the pressure values begin to level out. The ISIP will be read and recorded.
- 11) Once the ISIP is obtained, the SRT is concluded. The ISIP obtained in this manner may be considered the minimum pressure required to hold the fracture open.
- 12) In the event that formation "breakdown" was not obtained at the maximum test injection pressure utilized, the test results may indicate that the formation is accepting fluids without fracturing.

This SRT outline is consistent with acceptable oilfield practices. It should identify an allowable injection pressure which will provide adequate protection of the underground sources of drinking water at an injection well having demonstrated mechanical integrity. The allowable injection pressure will be determined after an EPA review of the SRT results. Enclosed is a form which you may copy and use to record test data.

STEP-RATE TEST DATA

STEP #1 Test Rate (5% max rate) _____ (bbl/min)

Time (min) : _____
Pressure (psi): _____

STEP #2 Test Rate (10% max rate) _____ (bbl/min)

Time (min) : _____
Pressure (psi): _____

STEP #3 Test Rate (20% max rate) _____ (bbl/min)

Time (min) : _____
Pressure (psi): _____

STEP #4 Test Rate (40% max rate) _____ (bbl/min)

Time (min) : _____
Pressure (psi): _____

STEP #5 Test Rate (60% max rate) _____ (bbl/min)

Time (min) : _____
Pressure (psi): _____

STEP #6 Test Rate (80% max rate) _____ (bbl/min)

Time (min) : _____
Pressure (psi): _____

STEP #7 Test Rate (100% max rate) _____ (bbl/min)

Time (min) : _____
Pressure (psi): _____

ISIP : _____ (psi)

SRT EXAMPLE

The following is an example of a Step-Rate Test with tabular and graphic results. The operator of Anywell #1 set up a SRT for the following conditions:

- A) Maximum anticipated injection rate was 4 bbl/min.
- B) Following the recommended test procedures, the operator planned on using these rates for the test:
 - 1) 5% of 4 bbl/min = 0.2 bbl/min
 - 2) 10% of 4 bbl/min = 0.4 bbl/min
 - 3) 20% of 4 bbl/min = 0.8 bbl/min
 - 4) 40% of 4 bbl/min = 1.6 bbl/min
 - 5) 60% of 4 bbl/min = 2.4 bbl/min
 - 6) 80% of 4 bbl/min = 3.2 bbl/min
 - 7) 100% of 4 bbl/min = 4.0 bbl/min
- C) The formation permeability is estimated as 100 md, therefore each step will last for 30 minutes.

The step-rate test data and graphic results of the test are on the following pages. For this test, the injection formation broke down at approximately 1200 psi, and the ISIP was listed as 1000 psi. Since the injection formation will part at 1000 psi, the maximum injection pressure will be held to the ISIP.

If the formation had not broken down at 1200 psi, the maximum allowable injection pressure would be the maximum pressure obtained during the test.

STEP-RATE TEST ANYWELL #1

STEP #1 Test Rate (5% max rate) 0.2 (bbl/min)

Time (min)	:	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>
Pressure (psi):		<u>0</u>	<u>90</u>	<u>95</u>	<u>98</u>	<u>99</u>	<u>100</u>	<u>100</u>

STEP #2 Test Rate (10% max rate) 0.4 (bbl/min)

Time (min)	:	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>
Pressure (psi):		<u>80</u>	<u>170</u>	<u>185</u>	<u>195</u>	<u>199</u>	<u>200</u>	<u>200</u>

STEP #3 Test Rate (20% max rate) 0.8 (bbl/min)

Time (min)	:	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>
Pressure (psi):		<u>190</u>	<u>325</u>	<u>385</u>	<u>392</u>	<u>398</u>	<u>399</u>	<u>400</u>

STEP #4 Test Rate (40% max rate) 1.6 (bbl/min)

Time (min)	:	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>
Pressure (psi):		<u>380</u>	<u>700</u>	<u>790</u>	<u>792</u>	<u>795</u>	<u>798</u>	<u>800</u>

STEP #5 Test Rate (60% max rate) 2.4 (bbl/min)

Time (min)	:	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>
Pressure (psi):		<u>750</u>	<u>990</u>	<u>1030</u>	<u>1090</u>	<u>1150</u>	<u>1180</u>	<u>1200</u>

STEP #6 Test Rate (80% max rate) 3.2 (bbl/min)

Time (min)	:	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>
Pressure (psi):		<u>1100</u>	<u>1250</u>	<u>1325</u>	<u>1370</u>	<u>1390</u>	<u>1395</u>	<u>1400</u>

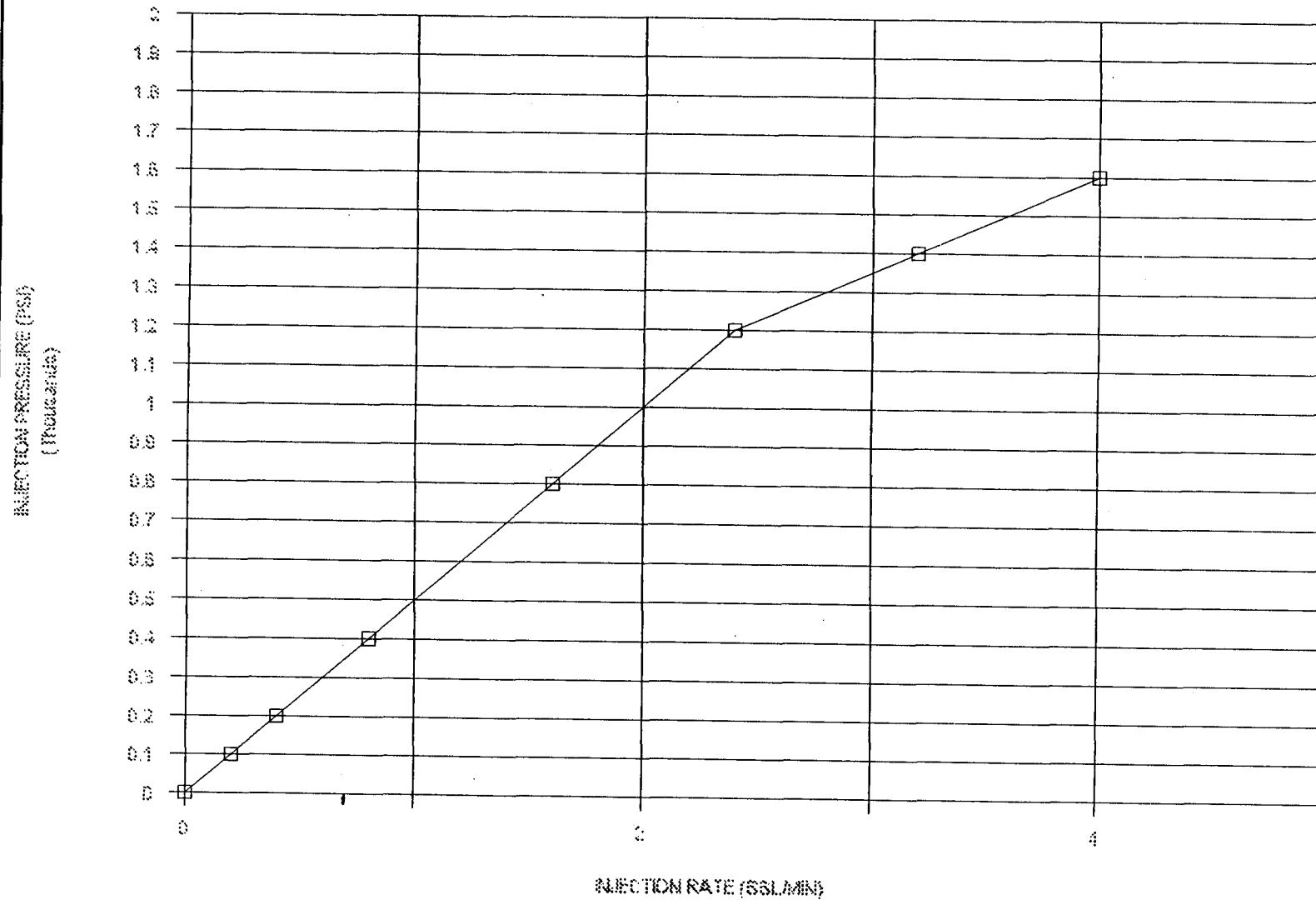
STEP #7 Test Rate (100% max rate) 4.0 (bbl/min)

Time (min)	:	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>
Pressure (psi):		<u>1350</u>	<u>1450</u>	<u>1500</u>	<u>1530</u>	<u>1570</u>	<u>1590</u>	<u>1600</u>

ISIP : 1000 (psi)

STEP-RATE TEST EXAMPLE

ANY WELL #1



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

WELL REWORK RECORD

NAME AND ADDRESS OF PERMITTEE

NAME AND ADDRESS OF CONTRACTOR

LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT — 640 ACRES

N									
S									

W E

STATE

COUNTY

PERMIT NUMBER

SURFACE LOCATION DESCRIPTION

1/4 of 1/4 of 1/4 of 1/4 of Section Township Range

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface

Location ft. from (N/S) Line of quarter section

and ft. from (E/W) Line of quarter section

WELL ACTIVITY

- ☐ Brine Disposal
☐ Enhanced Recovery
☐ Hydrocarbon Storage

Lessee Name

Total Depth Before Rework

Total Depth After Rework

Date Rework Commenced

Date Rework Completed

TYPE OF PERMIT

- ☐ Individual
☐ Area
 Number of Wells

Well Number

WELL CASING RECORD — BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

WELL CASING RECORD — AFTER REWORK (Indicate Additions and Changes Only)

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

DESCRIBE REWORK OPERATIONS IN DETAIL
USE ADDITIONAL SHEETS IF NECESSARY

WIRE LINE LOGS, LIST EACH TYPE

Log Types

Logged Intervals

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE (Please type or print)

SIGNATURE

DATE SIGNED



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

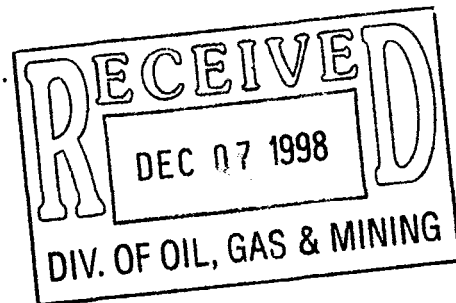
REGION 8
999 18TH STREET - SUITE 500
DENVER, CO 80202-2466

Ref: 8P-W-GW

DEC 2 1998

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. John E. Dyer
Senior Vice President
Inland Production Co.
410 Seventeenth Street - Suite 700
Denver, CO 80202



RE: **ADDITIONAL WELL TO LONE TREE AREA**
PERMIT: UT2853-00000
Jorgenson State No. 16-4
Well ID No. UT2853-04498
NE SE SEC. 16 - T9S - R17E
Duchesne County, Utah

Dear Mr. Dyer:

The Inland Production Co. (Inland) request to convert a former Douglas Creek Member of the Green River Formation oil well, Jorgenson State No. 16-4, to a Green River Formation, Garden Gulch/Douglas Creek Members, enhanced recovery injection well in the Lone Tree Area Permit is hereby authorized. The proposed Jorgenson State No. 16-4 Class II enhanced recovery injection well is within the exterior boundary of the existing Lone Tree Area Permit (UT2853-00000); is within the exterior boundary of the Uintah & Ouray Indian Agency; and the addition is being made under the authority of 40 CFR § 144.33 (c), and the terms of the Area Permit. Unless specifically mentioned in the enclosed authorization to add an enhanced recovery injection well, all terms and conditions of the original Area Permit will apply to the conversion, operation, monitoring, and plugging of the Jorgenson State No. 16-4.

Prior to beginning injection, the Environmental Protection Agency (EPA) requires that Inland submit for review and approval (1) the results of a mechanical integrity test (MIT), (2) a pore pressure calculation of the injection interval, and (3) an EPA Form No. 7520-12 (Well Rework Record enclosed). A Guidance document is enclosed which explains the procedure for conducting and evaluating an MIT.

The Permittee must conduct a step-rate test (SRT) within six (6) months following receipt of the Assistant Regional Administrator's letter authorizing Inland to commence injection. A Guidance for the EPA-approved method of conducting an SRT is enclosed.

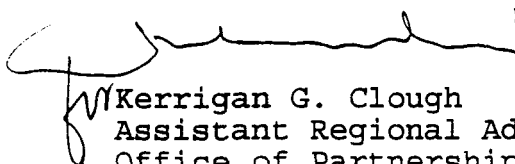


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Please be aware that Inland will not have authorization to begin injection into the Jorgenson State No. 16-4 until the items listed above have been submitted and evaluated by the EPA, and Inland has received written authorization to begin injection from the Assistant Regional Administrator ("Director" in the Final Area Permit).

If Inland Production Co. has any questions, please call Dan Jackson at (303) 312-6155. Please submit the required pre-authorization to inject data to the ATTENTION: EMMETT SCHMITZ, at the letterhead address, citing MAIL CODE: 8P-W-GW very prominently.

Sincerely,



Kerrigan G. Clough
Assistant Regional Administrator
Office of Partnerships and
Regulatory Assistance

enclosures: Guidance Mechanical Integrity Testing
EPA Form No. 7520-12 (Well Rework Record)
Guidance for Step-Rate test (SRT)
Authorization For An Additional Well
Schematic Diagram of Proposed Conversion

cc w/enclosures: Mr. Ronald Wopsock - Chairman
Ute Indian Tribe

Ms. Elaine Willie
Environmental Director
Ute Indian Tribe

Mr. David Allison
Bureau of Indian Affairs
Uintah & Ouray Indian Agency

Mr. Gil Hunt
State of Utah Natural Resources
Division of Oil, Gas, and Mining

Mr. Jerry Kenczka
BLM - Vernal Office

STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: <u>K. JORGENSEN ST #16-2</u>	API Number: <u>43-013-30572</u>
Qtr/Qtr: <u>NE/SE</u>	Section: <u>16</u> Township: <u>9S</u> Range: <u>17E</u>
Company Name: <u>INLAND PRODUCTION COMPANY</u>	
Lease: State <u>YES</u>	Fee <u> </u> Federal <u> </u> Indian <u> </u>
Inspector: <u>DENNIS L. INGRAM</u>	Date: <u>12/31/98</u>

Initial Conditions:

Tubing - Rate: Pressure: 0 psiCasing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1080 PSI</u>	<u>0</u>
5	<u>1080 "</u>	<u>0</u>
10	<u>1080 "</u>	<u>0</u>
15	<u>1080 "</u>	<u>0</u>
20	<u>1080 "</u>	<u>0</u>
25	<u>1080 "</u>	<u>0</u>
30	<u>1080 "</u>	<u>0</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 0 psiCasing/Tubing Annulus Pressure: 1080 psi

COMMENTS: TESTED w/ HOT oil TRUCK — also USED
CHART FOR EPA. Had trouble w/ Pump on TRUCK
AND CALLED FOR ANOTHER, BUT CASING TEST WENT
WELL AFTER BEING ABLE TO PRESSURE IT UP.

DS Juhl
 Operator Representative

INJECTION WELL DATA
(DATA INPUT SHEET FOR COMPUTER)

Township: 8S Range: 17E Section: 16 Qtr/Qtr: NESE
API No: 43-013-308512
Operator Nm: INLAND PRODUCTION COMPANY Account No: N5160
Well Nm: JORGENSEN STATE 16-4
Field Nm: MONUMENT BUTTE Field No: 105
Unit Nm: LOWE TREE Unit No: 580
Cause No: UIC-234
1st Inj: 1/26/99 Surf Csg: 8 5/8 Set @: 261
Avg InjP: 1100 Int Csg: Set @:
Max InjP: 1310 Prod Csg: 5 1/2 Set @: 5750
Max Rate: Liner: Set @:
PBTD: 5713 Tbg: 2 3/8 Set @: 4384
TD: 5750 Dual Completion: Y (N)
Inj Zone: 444-5523 Well Type: INTW
Formation: GRRV Lease Type: BLM
Approval: 5/6/99 Surf Owner: BLM
PA Date: Indian Country: (Y) N

TEST DATE: 12/31/98

TEST TYPE: PRESSURE

WITNESSED: (Y) N

1080 PSI/HELD 1 HR

COMMENTS:

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company **Well:** Jorgenson State 16-4
Location: 16/9S/17E **API:** 43-013-30572

Ownership Issues: The proposed well is located on BLM administered land. The well is located in the Lone Tree Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah (SITLA). The Federal Government and SITLA are the mineral owners within the area of review. Inland and various other individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the Lone Tree Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 261 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 5750 feet and has a cement top at or above 3500'(cbl). A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4384 feet. A mechanical integrity test will be run on the well prior to injection. There are 6 producing wells in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

Ground Water Protection: According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 300 feet. Injection shall be limited to the interval between 4444 feet and 5523 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 16-4 well is .73 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1310 psig. The requested maximum pressure is 1310 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Oil/Gas& Other Mineral Resources Protection: The Lone Tree Unit was approved on August 26, 1998. Correlative rights issues were addressed at that time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill Date: 1/12/99



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

January 12, 1999

Inland Production Company
410 Seventeenth Street, Suite 700
Denver, Colorado 80202

Re: Lone Tree Unit Well: Jorgenson State 16-4, Section 16, Township 9 South, Range 17
East, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced wells to Class II injection wells. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

John R. Baza

Associate Director, Oil and Gas

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Roosevelt

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML-3453B	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR 410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102		7. UNIT AGREEMENT NAME LONE TREE	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/SE 1984 FSL 0660 FEL		8. FARM OR LEASE NAME K JORGENSEN ST	
14 API NUMBER 43-013-30572		9. WELL NO. 16-4	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5314 KB		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/SE Section 16, T09S R17E	
		12. COUNTY OR PARISH DUCHESNE	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>Injection Conversion</u>	<input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

WEEKLY STATUS REPORT FOR WEEK OF 12/19/98 - 12/30/98

The above referenced well was converted from a producing oil well to a water injection well on 12/18/98. RDMO took place 12/22/98. The well went on injection 1/26/99.

Attachments:

- Daily Workover Report

18 I hereby certify that the foregoing is true and correct.

SIGNED Shannon Smith

TITLE

Engineering Secretary

DATE

3/25/99

(This space for Federal or State office use)

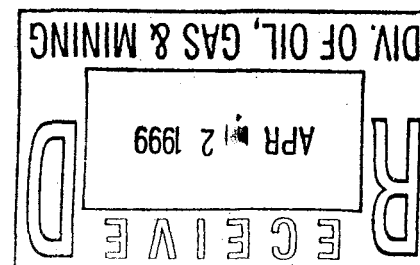
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

* See Instructions On Reverse Side



WTC
8-30-99
RJK



Daily Workover Report

K JORGENSON ST 16-4
NW/SE Section 16, T09S R17E
DUCHESNE Co., Utah
API # 43-013-30572

Spud Date: 6/25/81
POP: 10/22/81
TD: 5750'
WO Rig: CWS #40

12/19/98 PO: Injection Conversion. (Day 1)

Summary: 12/18/98 – TP: 0, CP: 0. MIRU CWS #40. RU HO trk to csg. Pump 100 BW dn csg @ 250°F, (well filled up w/20 bbls & circulated). Unseat rod pump. Flush tbg & rods w/60 BW @ 250°F. Reseat rod pump. Fill tbg & pumped through @ .75 BPM @ 300 psi. Unseat rod pump. TOH & LD 60 rods -started coming thick w/wax. Flush tbg & rods w/30 BW @ 250°F. LD 83 more rods - came waxxy. PU polished rod & SIFN.
DC: \$2,804 TWC: \$2,804

12/20/98 PO: Injection Conversion. (Day 2)

Summary: 12/19/98 – TP: 0, CP: 0. Circulate 40 BW dn tbg @ 250°F. Con't TOH & LD rods. Complete detail as follows: 1-1/4" x 22' polished rod w/1-1/2" x 12' liner, 1 - 4' x 7/8" pony rod, 47 - 7/8" plain rods, 173 - 3/4" plain rods, 2" BHD pump. Btm 35 rods were scaly & many rods worn badly. ND wellhead. Release TA @ est 5532'. Had some difficulties. NU BOP. TOH & tally production string as follows: 172 jts 2-3/8" tbg, SN, 4-1/2" TA, 2 jts 2-3/8" tbg, 2-3/8" bullplug & collar. LD split jt #135 & 15 others bent & corroded w/holes (est 4600' thru 5000'). TIH w/3-7/8" bit, 4-1/2" csg scraper, top sub, SN (w/standing valve in place), & 26 btm jts of production tbg. RU HO trk. Fill & test tbg to 3000 psi - held. RIH w/sdline & retrieve standing valve. Con't TIH w/remaining prod tbg (158 total). PU 17 jts 2-3/8" work string. Tag fill @ 5622' (99' rathole). RU HO trk & rev circ well w/120 BW @ 250°F, (recovered very little oil & gas). TOH & LD 17 jts work string & 23 jts production tbg. SIFN w/EOT @ 4359'.

DC: \$5,764 TWC: \$8,568

12/21/98 SD for Sunday.

12/22/98 PO: Injection Conversion. (Day 3)

Summary: 12/21/98 – TP: 0, CP: 0. RU hot oil truck, flush tbg w/30 bbls wtr @ 220 F. Dropped standing valve down tbg. Flushed standing valve to SN w/15 bbls wtr. Test tbg to 2,000# (held good). RIH w/sand line, retrieve standing valve. TOH w/135 jts 2-3/8" tbg, doping all pin ends. LD SN, scraper & bit. SIFN.
DC: \$2,185 TWC: \$10,753

12/23/98 PO: Injection Conversion. (Day 4)

Summary: 12/22/98 – TP: 0, CP: 0. TIH w/production string as follows; Mountain States Arrowset 1-X pkr, SN & 135 jts of 2-3/8 4.7# tbg to 4361'. ND BOP. RU HO trk. Displaced behind pkr fluid. Set pkr, EOT @ 4361' w/14,000# tension. NU tbg head. RU HO trk, fill tbg w/2 BW. Test csg & pkr to 1,200# (held good). RDSUMOL.
DC: \$7,349 TWC: \$18,102

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML-3453B	
		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME LONE TREE	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. FARM OR LEASE NAME K JORGENSEN ST 16-4	
3. ADDRESS OF OPERATOR Route 3, Box 3630, Myton Utah 84052 (435-646-3721)		9. WELL NO. 16-4-9-17	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/SE 1984 FSL 0660 FEL		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/SE Section 16, T09S R17E	
14. API NUMBER 43-013-30572	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5314 KB	12. COUNTY OR PARISH DUCHESNE	13. STATE UT
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>Mechanical Integrity Test</u>	<input type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A mechanical integrity test (MIT) was performed on the subject well. The data demonstrated that positive wellbore integrity exists. Find enclosed a copy of the workover report and MIT test data.

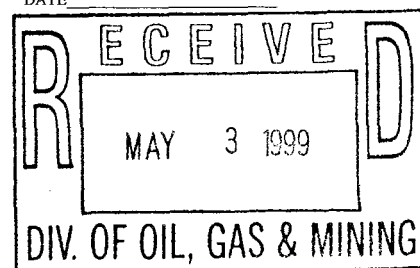
18 I hereby certify that the foregoing is true and correct.
SIGNED [Signature] TITLE District Engineer DATE 4/29/99

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

* See Instructions On Reverse Side



Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: Dennis Ingram W/ DOGM **Date** 12 / 31 / 98 **Time** 10:00 am pm
Test Conducted by: Jody Liddell
Others Present: Roy Liddell

Well: Lone Tree State 16-4-9-17

Field: Lone Tree Unit

Well Location: NE/SE Sec 16 T09S R17E

API No: 43-013-30572

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1080</u>	psig
5	<u></u>	psig
10	<u></u>	psig
15	<u></u>	psig
20	<u></u>	psig
25	<u></u>	psig
30 min	<u>1080</u>	psig
35	<u></u>	psig
40	<u></u>	psig
45	<u></u>	psig
50	<u></u>	psig
55	<u></u>	psig
60 min	<u>1080</u>	psig

Tubing pressure: 0 psig

Result: Pass **Fail**

Signature of Witness: Dennis Ingram

Signature of Person Conducting Test: Jody Liddell



DAILY WORKOVER REPORT

WELL NAME: Lone Tree State 16-4-9-17

Report Date: 1-5-99

Completion Day: _____

Operation: M.I.T.

Rig: _____

WELL STATUS

PRODUCTION CSG: 4 1/2" 11.6# F/3013' to 5750'

Surf Csg: 8 5/8 @ 261' KB INT CSG 5 1/2" SFC to 3013' KB WT: 15.5# Csg PBTD: 5713'
Tbg: Size: 2 3/8" Wt: 4.7# Grd: 2 Pkr/EOT @: _____ BP/Sand PBTD: 5622

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>Squeezed</u>	<u>4134-4155'</u>	<u>2/42</u>		<u>5494-5506'</u>	<u>2/24</u>
				<u>5511-5516'</u>	<u>2/10</u>
	<u>4444-4458'</u>	<u>2/28</u>		<u>5519-5523'</u>	<u>2/8</u>
	<u>4542-4552'</u>	<u>2/20</u>			
	<u>5306-5310'</u>	<u>2/8</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 31-Dec-98

SITP: 0 SICP: 0

On 12-30-98 John Carsons w/ EPA and Dennis Ingram w/ the state was notified of MIT to be performed on 12-31-98.
On 12-31-98 the well was pressured on csg to 1080 psi and maintained for one hour. Dennis with the state witnessed test in person and the well was charted for the EPA.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 0 Starting oil rec to date: 0
Fluid lost/recovered today: _____ Oil lost/recovered today: _____
Ending fluid to be recovered: _____ Cum oil recovered: _____
IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

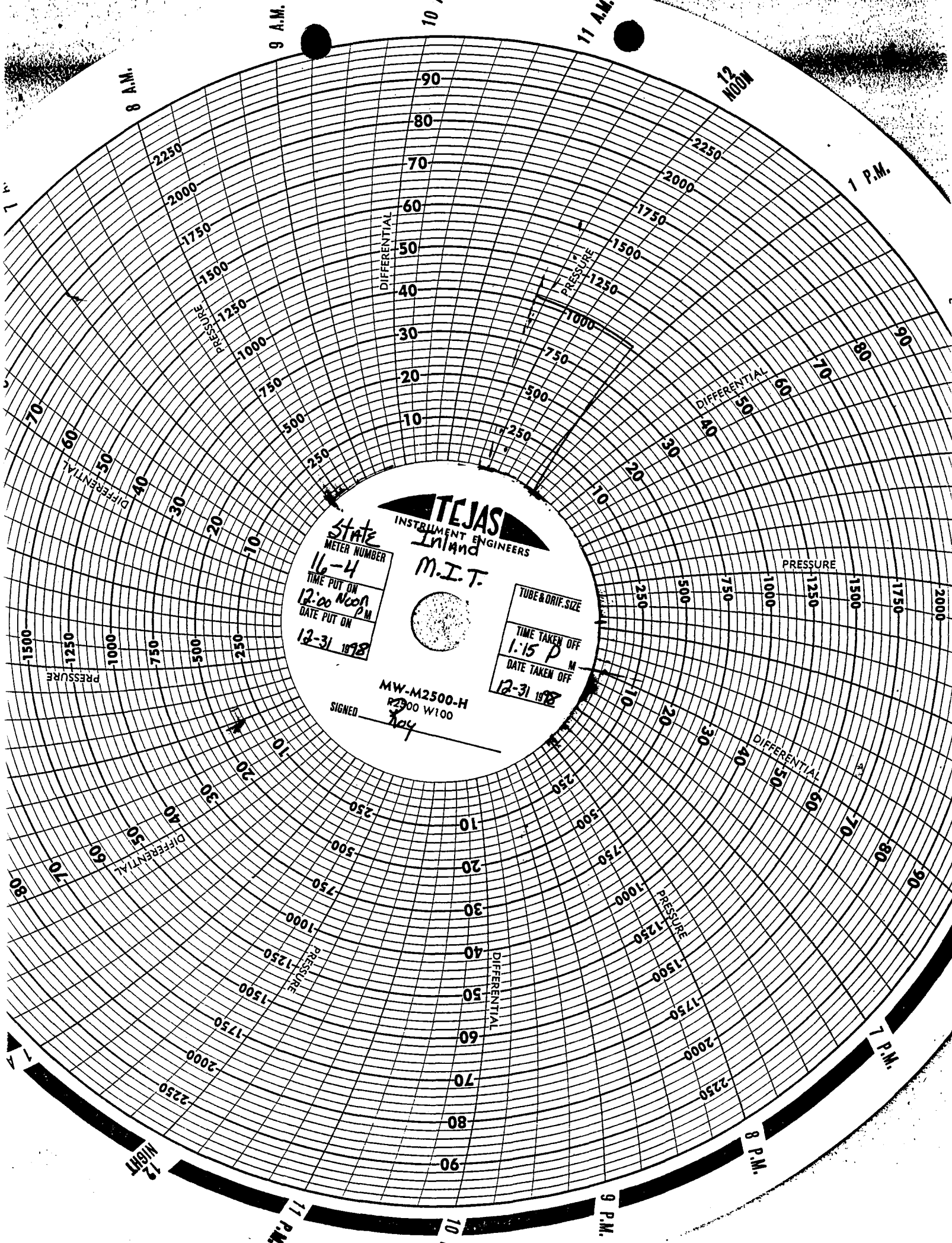
TUBING DETAIL

ROD DETAIL

COSTS

Workover Supervisor: Jody Liddell

DAILY COST: _____
TOTAL WELL COST: _____



TEJAS
INSTRUMENT ENGINEERS
Inland
M.I.T.

STATE
METER NUMBER
16-4
TIME PUT ON
12:00 Noon
DATE PUT ON
12-31 1978

TUBE & ORIF. SIZE
TIME TAKEN OFF
1:15 P
DATE TAKEN OFF
12-31 1978

MW-M2500-H
R2500 W100
SIGNED
Ray



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

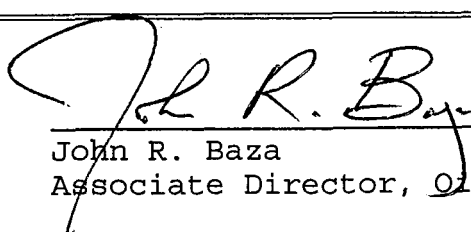
Cause No. UIC-234

Operator: Inland Production Company
Well: Jorgenson State 16-4
Location: Section 16, Township 8 South, Range 17 East,
County: Duchesne
API No.: 43-013-30572
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on January 12, 1999.
2. Maximum Allowable Injection Pressure: 1310 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4444 feet - 5523 feet)

Approved by:


John R. Baza
Associate Director, Oil And Gas

5/11/99

Date



May 13, 1999

State of Utah
Division of Oil, Gas & Mining
Attn: Dan Jarvis
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Dan:

Please find enclosed Step Rate Test (SRT) results on the K. Jorgensen State #16-4 injection well. The SRT was conducted by Inland Production Company on May 12, 1999. Due to the results of the SRT Inland is requesting a change in the maximum allowable injection pressure to 1385 psi for the K. Jorgensen State #16-4 in the Lone Tree Unit. The Step Rate Test has been also submitted to Mr. Edwin Hogle with the Environmental Production Agency.

Thank you for your assistance. If you have any questions or need further information, please don't hesitate to call me at (435) 646-3721.

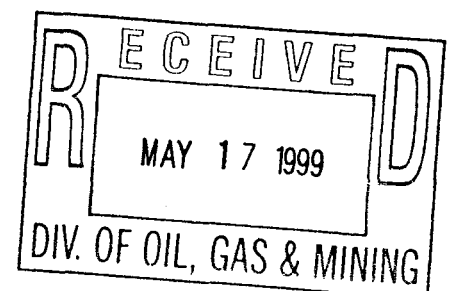
Sincerely,

Brad Mecham
Operations Manager

Enclosures

cc: Environmental Protection Agency

/bm



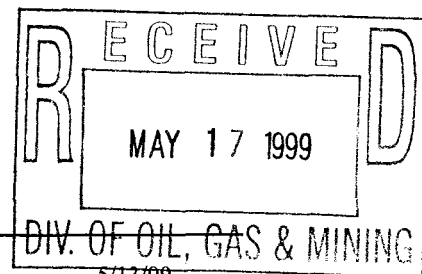
STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML-3453B	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Route 3, Box 3630, Myton Utah 84052 (435-646-3721)		7. UNIT AGREEMENT NAME Lone Tree Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/SE 1984 FSL 0660 FEL		8. FARM OR LEASE NAME K JORGENSON ST 16-4	
14. API NUMBER 43-013-30572		9. WELL NO. State 16-4	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5314 KB		10. FIELD AND POOL, OR WILDCAT Monument Butte	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/SE Section 16, T09S R17E	
		12. COUNTY OR PARISH DUCHESNE	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>STEP RATE TEST</u>	<input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On May 12, 1999 Inland Production Company conducted a Step-Rate Test (SRT) on the K. Jorgensen State #16-4 injection well in the Lone Tree Unit. Due to the results of the attached SRT Inland is requesting approval to change our Maximum Allowable Injection pressure on the #16-4 injection well to 1385 psi.



18 I hereby certify that the foregoing is true and correct

SIGNED <u>Brad Mecham</u>	TITLE <u>Operations Manager</u>	DATE <u>5/13/99</u>
---------------------------	---------------------------------	---------------------

(This space for Federal or State office use)

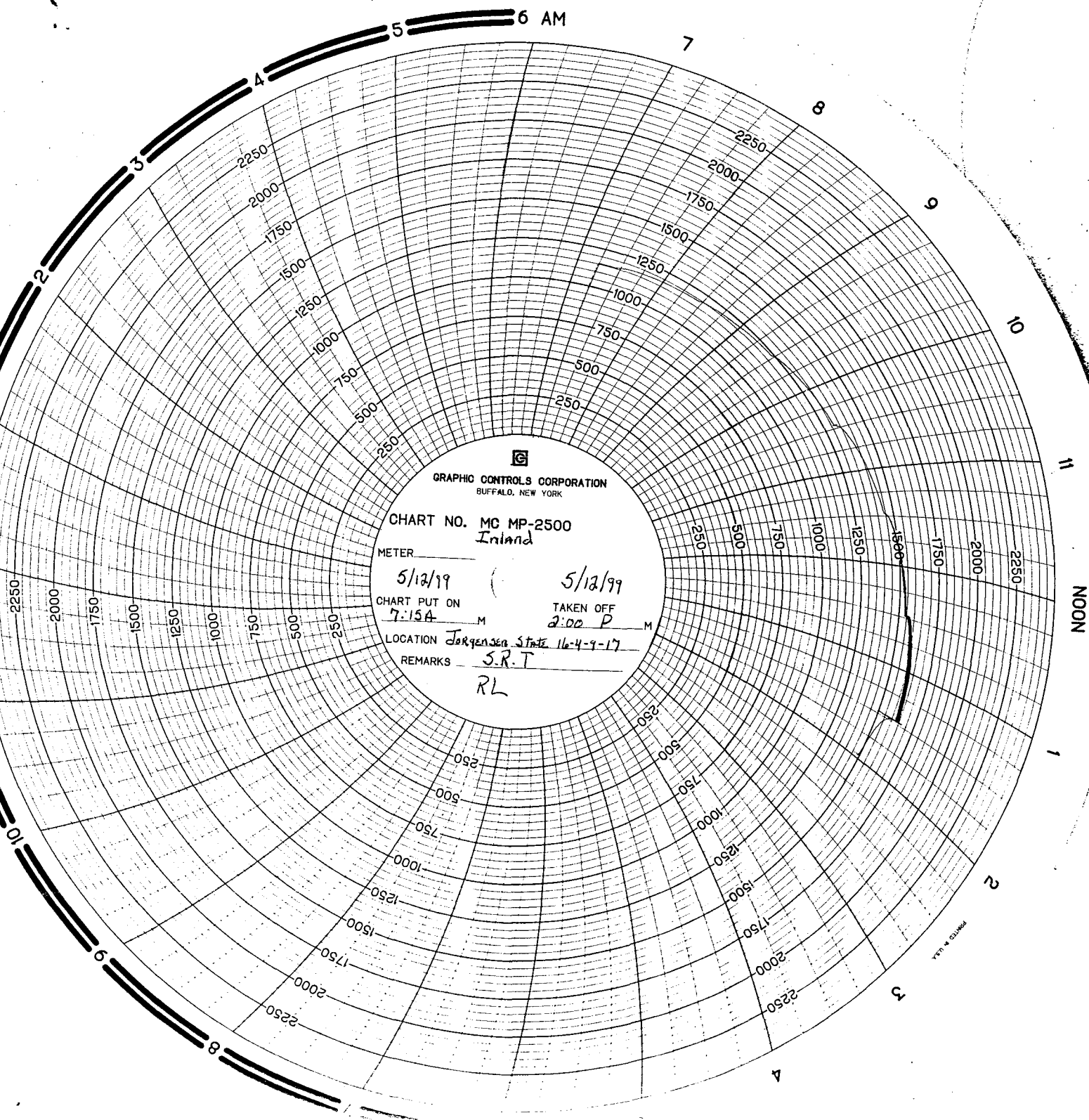
APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

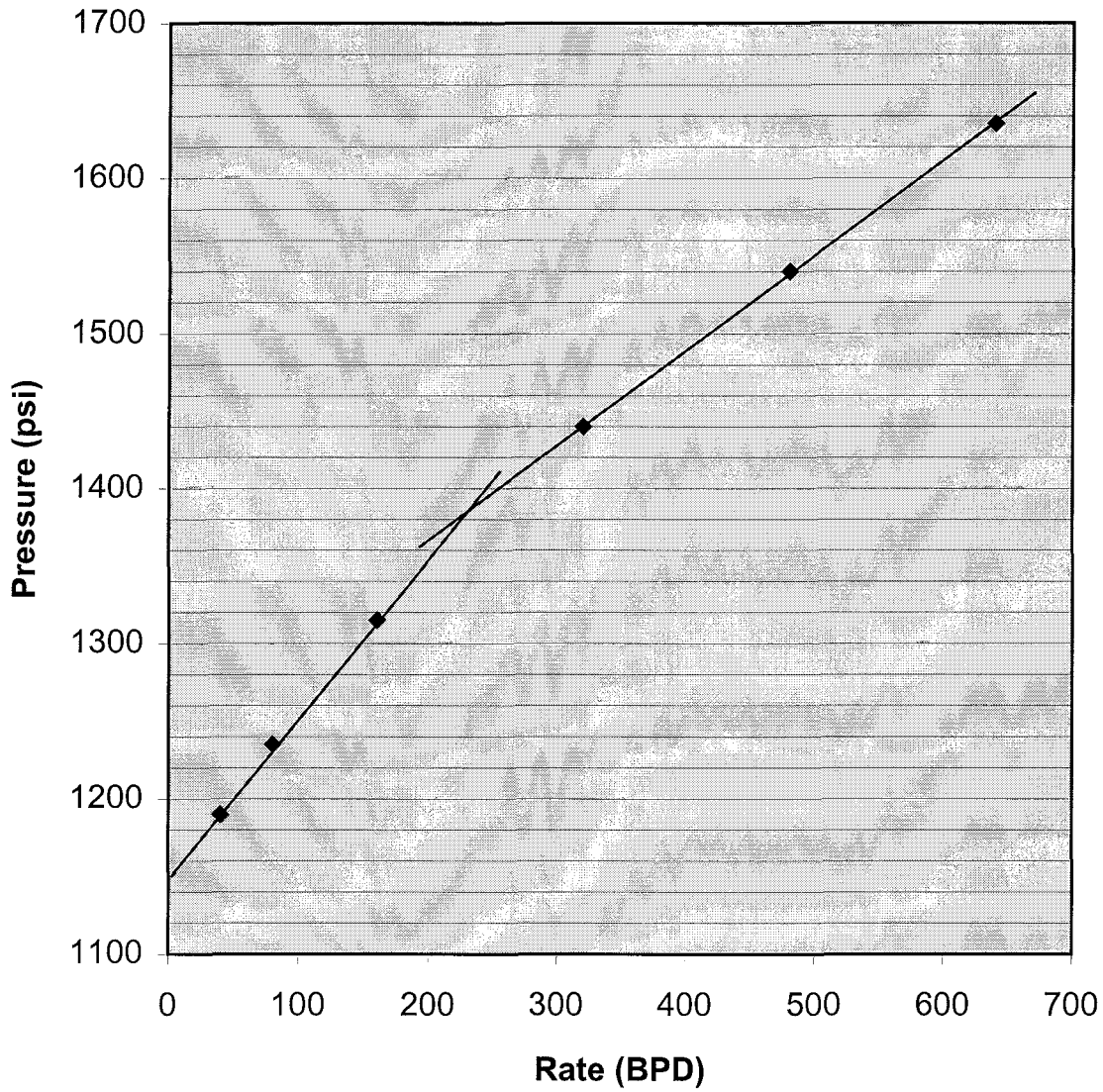
Approved by the
Utah Division of
Oil, Gas and Mining

Date: 5/20/99
By: [Signature]

COPY SENT TO OPERATOR
Date: 5-20-99
Initials: CHD



Jensen State 16-4
(Lone Tree unit)
Step Rate Test
May 12, 1999



ISIP: 1575 psi

Fracture pressure: 1385 psi

Step	Rate(bpd)	Pressure(psi)
1	40	1190
2	80	1235
3	160	1315
4	320	1440
5	480	1540
6	640	1635

RECEIVED
 MAY 13 1999
 OIL & GAS DIVISION

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML-3453B	
		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME LONE TREE	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. FARM OR LEASE NAME K JORGENSON ST 16-4	
3. ADDRESS OF OPERATOR Route 3, Box 3630, Myton Utah 84052 (435-646-3721)		9. WELL NO. 16-4-9-17	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/SE 1984 FSL 0660 FEL		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/SE Section 16, T09S R17E	
14. API NUMBER 43-013-30572	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5314 KB	12. COUNTY OR PARISH DUCHESNE	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>Returned to Production</u>	<input type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was converted to an injector in January 1999.

18 I hereby certify that the foregoing is true and correct			
SIGNED <u>[Signature]</u>	TITLE <u>District Engineer</u>	DATE <u>5/12/99</u>	

(This space for Federal or State office use)

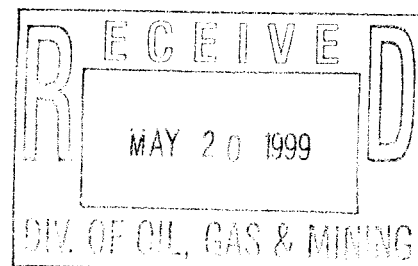
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL IF ANY:

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

* See Instructions On Reverse Side

DATE: _____
BY: _____



STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. **SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.

OIL ☐ GAS ☐ OTHER ☒ **Injection Well**

2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY

3. ADDRESS AND TELEPHONE NUMBER
**Rt. 3 Box 3630, Myton Utah 84052
435-646-3721**

4. LOCATION OF WELL
Footages **1984 FSL 660 FEL**
QQ, SEC, T, R, M: **NW/SE Section 16, T9S R17E**

5. LEASE DESIGNATION AND SERIAL NO.
ML-3453B

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME
N/A

7. UNIT AGREEMENT NAME
LONE TREE

8. WELL NAME and NUMBER
K JORGENSEN ST 16-4

9. API NUMBER
43-013-30572

10. FIELD AND POOL OR WILDCAT
MONUMENT BUTTE

COUNTY **DUCHESNE**
STATE **UTAH**

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**NOTICE OF INTENT:
(Submit in Duplicate)

☐ ABANDON ☐ NEW CONSTRUCTION
☐ REPAIR CASING ☐ PULL OR ALTER CASING
☐ CHANGE OF PLANS ☐ RECOMPLETE
☐ CONVERT TO INJECTION ☐ REPERFORATE
☐ FRACTURE TREAT OR ACIDIZE ☐ VENT OR FLARE
☐ MULTIPLE COMPLETION ☐ WATER SHUT OFF
☐ OTHER _____

SUBSEQUENT REPORT OF:

(Submit Original Form Only)

☐ ABANDON* ☐ NEW CONSTRUCTION
☐ REPAIR CASING ☐ PULL OR ALTER CASING
☐ CHANGE OF PLANS ☐ RECOMPLETE
☐ CONVERT TO INJECTION ☐ REPERFORATE
☐ FRACTURE TREAT OR ACIDIZE ☐ VENT OR FLARE
☒ OTHER **Step Rate Test**

DATE WORK COMPLETED _____

Report results of Multiple Completion and Recompletions to different
reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND
LOG form.

*Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)

A step rate test was conducted on the subject well on 10/21/03. Results from the test indicate that the fracture gradient is .818 psi/ft. Therefore, Inland is requesting that the maximum allowable injection pressure (MAIP) be changed to 1700 psi.

13. NAME & SIGNATURE: Michael Guinn TITLE Vice President of Operations DATE 10/24/2003

(This space for State use only)

* See Instructions On Reverse Side

Accepted by the
Utah Division of
Oil, Gas and Mining

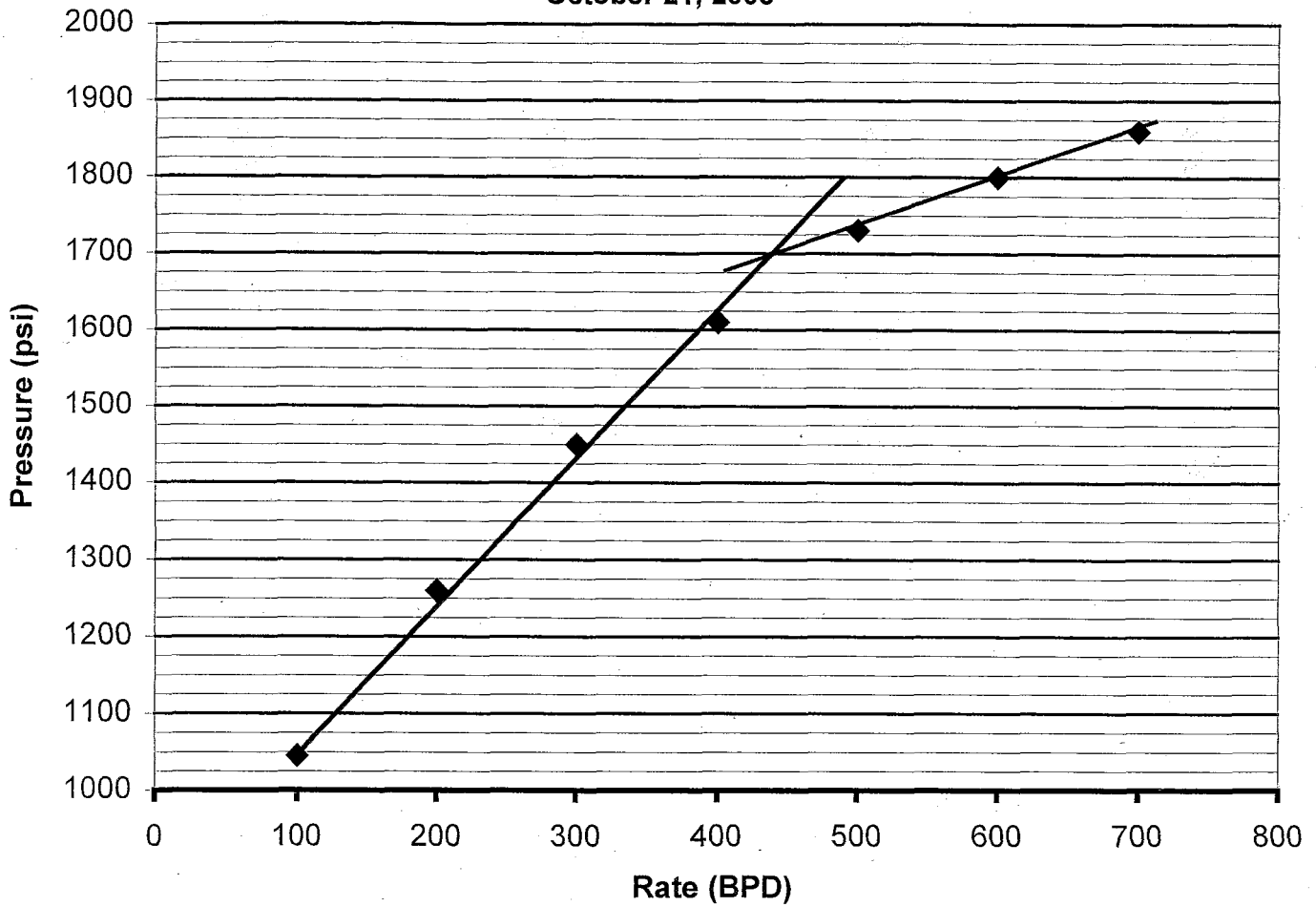
Date: 10-29-03

RECEIVED

OCT 27 2003

DIV. OF OIL, GAS & MINING

Jorgenson State 16-4-9-17
Lone Tree Unit
Step Rate Test
October 21, 2003



Start Pressure: 760 psi
Instantaneous Shut In Pressure (ISIP): 1860 psi
Top Perforation: 4444 feet
Fracture pressure (Pfp): 1700 psi
FG: 0.818 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	25	840
2	50	900
3	100	1045
4	200	1260
5	300	1450
6	400	1610
7	500	1730
8	600	1800
9	700	1860

Jorgenson State
16-4-9-17

5.45/A
10/22 03

3.45%
10/22 03

8245/Kimmer



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
Phone 800-227-8917
<http://www.epa.gov/region08>

NOV - 4 2003

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
Vice President of Operations
Inland Production Company
Route 3 - Box 3630
Myton, UT 84052

RE: UNDERGROUND INJECTION CONTROL (UIC)
APPROVAL TO INCREASE MAXIMUM
SURFACE INJECTION PRESSURE No. 2
EPA Permit No. UT20853-04498
Jorgenson State No. 16-4
NE SE Sec. 16 - T9S - R17E
Uintah County, Utah

Dear Mr. Guinn:

The Environmental Protection Agency (EPA) Lone Tree Area Permit UT20853-00000 (Effective September 1, 1998), Part II, Section C. 5. (b), permits the "Director" to authorize, by letter, an increase in the maximum surface injection pressure (MIP) for the Jorgenson State No. 16-4 following receipt and approval of a valid step-rate test (SRT).

On October 24, 2003, Inland Production Company (Inland) submitted an SRT, dated October 21, 2003, which was reviewed and approved by the EPA on October 28, 2003. The EPA approved the fracture gradient (FG) of **0.818 psi/ft** for the Garden Gulch/Douglas Creek/Basal Carbonate Members of the Green River Formation injection interval.

Accepted by the
Utah Division of
Oil, Gas and Mining
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As of the date of this letter, the EPA authorizes an increase in the maximum surface injection pressure (MIP) from 1385 psig to 1700 psig.

FG = 0.818 psi/ft
 D = 4444 feet: Top perforation
 SG = Specific gravity: 1.005

MIP = $[(0.818) - (0.433)(1.005)] 4444$

MIP = 1701 psig, but reduced to 1700 psig.

Please send all compliance correspondence relative to this well to the ATTENTION: NATHAN WISER, at the letterhead address, citing MAIL CODE: 8ENF-T very prominently. You may call Mr. Wiser at 303-312-6211, or 1-800-227-8917 (Ext. 6211).

Sincerely,

Justin Wong
 for Stephen S. Tuber
 Assistant Regional Administrator
 Office of Partnerships and
 Regulatory Assistance

cc: Ms. Maxine Natchees
 Chairwoman
 Uintah & Ouray Business Council
 Ute Indian Tribe
 P.O. Box 190
 Fort Duchesne, Ut 84026

Ms. Elaine Willie
 Environmental Coordinator
 Ute Indian Tribe
 P.O. Box 460
 Fort Duchesne, UT 84026

Mr. Chester Mills
 Superintendent
 Bureau of Indian Affairs
 Uintah & Ouray Indian Agency
 P.O. Box 130
 Fort Duchesne, UT 84026

Mr. David Gerbig
Operations Engineer
Inland Production Company
410 Seventeenth Street - Suite 700
Denver, CO 80202

Mr. Gil Hunt
Technical Services Manager
State of Utah - Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple - Suite 1220
Salt Lake City, UT 84111-00581

Mr. Jerry Kenczka
Petroleum Engineer
Bureau of Land Management
Vernal District
170 South 500 East
Vernal, UT 84078

Mr. Nathan Wiser
8ENF-T

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 12 / 15 / 03
Test conducted by: BRET HENRIE
Others present: _____

Well Name: <u>STATE 16-4-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>LONE TREE UNIT</u>		
Location: <u>N/E/SE</u> Sec: <u>816</u> T <u>9</u> N/S R <u>17</u> E/W County: <u>DUCHESNE</u> State: <u>UT</u>		
Operator: <u>INLAND</u>		
Last MIT: <u>12/31/98</u> Maximum Allowable Pressure: <u>1700</u> PSIG		

Is this a regularly scheduled test? ☒ Yes ☐ No

Initial test for permit? ☐ Yes ☒ No

Test after well rework? ☐ Yes ☒ No

Well injecting during test? ☒ Yes ☐ No If Yes, rate: 81 bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE		Test #1	Test #2	Test #3
TUBING PRESSURE				
Initial Pressure	<u>1580</u> psig		psig	psig
End of test pressure	<u>1580</u> psig		psig	psig
CASING / TUBING ANNULUS PRESSURE				
0 minutes	<u>1175</u> psig		psig	psig
5 minutes	<u>1175</u> psig		psig	psig
10 minutes	<u>1175</u> psig		psig	psig
15 minutes	<u>1175</u> psig		psig	psig
20 minutes	<u>1175</u> psig		psig	psig
25 minutes	<u>1175</u> psig		psig	psig
30 minutes	<u>1175</u> psig		psig	psig
minutes	psig		psig	psig
minutes	psig		psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff: _____ Date: / /

Do you agree with the reported test results? ☐ YES ☐ NO

If not, why? _____

Possible violation identified? ☐ YES ☐ NO

If YES, what _____

If YES - followup initiated? ☐ YES

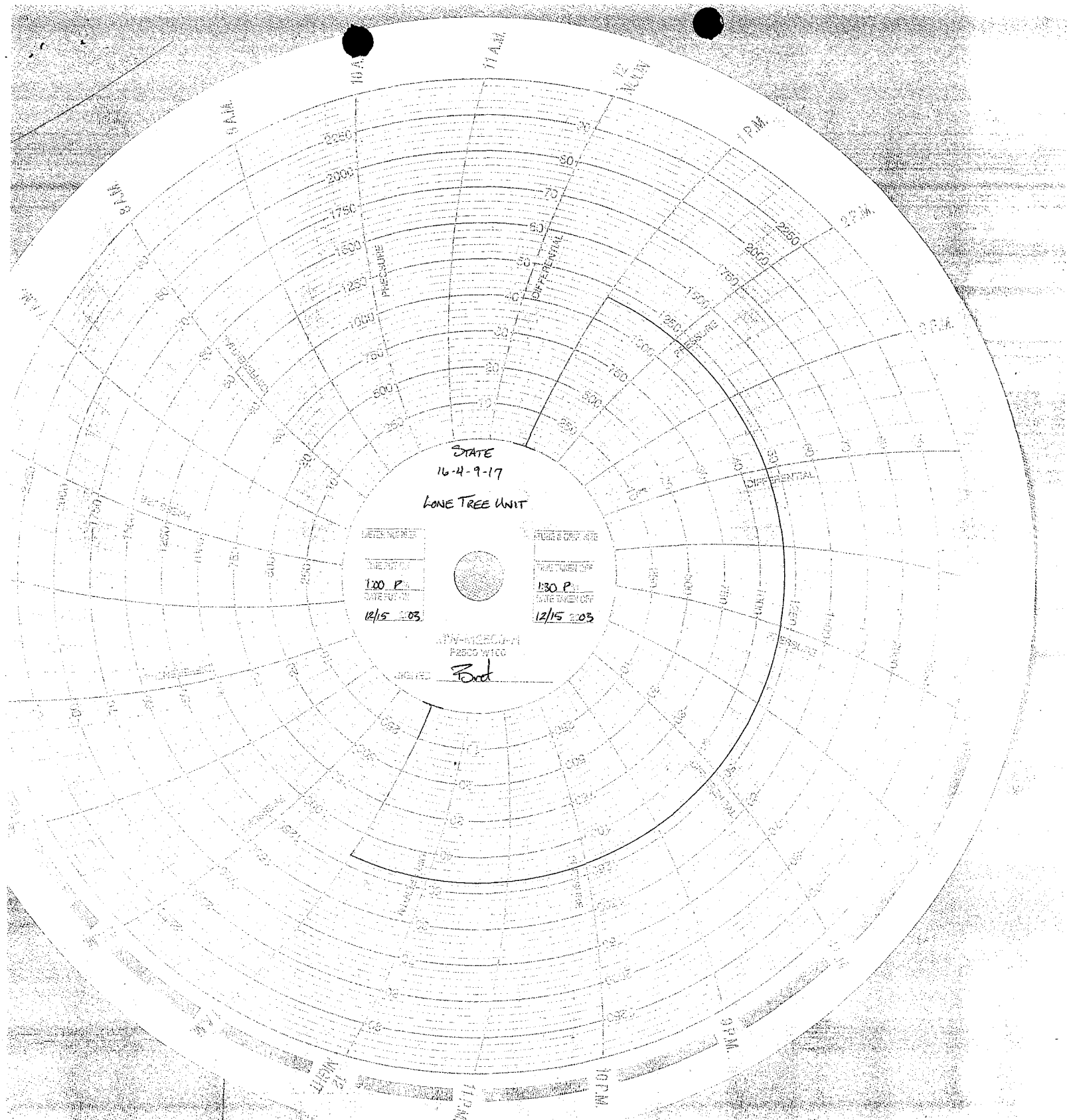
☐ NO - why not?

[] Data Entry

☐ Compliance Staff

1 12nd Data Entry

☐ Hardcopy Filing



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU77236X LN TREE
2. NAME OF OPERATOR: Inland Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: LONE TREE UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1984 FSL 0660 FEL		8. WELL NAME and NUMBER: K JORGENSEN ST 16-4
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NW/SE, 16, T9S, R17E		9. API NUMBER: 4301330572
COUNTY: Duchesne		10. FIELD AND POOL, OR WILDCAT: Monument Butte
STATE: Utah		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 12/17/2003	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - 5 Year MIT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A 5 Year MIT was conducted on the subject well. On 12/12/03 Mr. Al Craver w/EPA was notified of the intent to conduct a MIT on the casing. On 12/15/03 the casing was pressured to 1175 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

NAME (PLEASE) Krishna Russell	TITLE Production Clerk
SIGNATURE <i>Krishna Russell</i>	DATE December 17, 2003

(This space for State use only)

RECEIVED
DEC 18 2003
DIV. OF OIL, GAS & MINING



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas

SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: (303) 893-0102
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: _____
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *[Signature]*Title: *Perk. Services Manager*Approval Date: *9-10-04*

Comments:

*Note: Indian Country wells will require EPA approval.*RECEIVED
SEP 20 2004

DIV. OF OIL, GAS & MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004

FROM: (Old Operator):

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

TO: (New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.

Unit:

LONE TREE (GREEN RIVER)

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FED NGC 21-15	15	090S	170E	4301330614	12417	Federal	WI	A
NGC 24-15H FED	15	090S	170E	4301330681	12417	Federal	OW	P
FEDERAL 14-15H	15	090S	170E	4301331695	12417	Federal	WI	A
FEDERAL 13-15H	15	090S	170E	4301331698	12417	Federal	OW	P
S PLEASANT VALLEY 5-15-9-17	15	090S	170E	4301331886	12417	Federal	WI	A
S PLEASANT VALLEY 11-15-9-17	15	090S	170E	4301331991	12417	Federal	WI	A
S PLEASANT VALLEY 15-15-9-17	15	090S	170E	4301331992	12417	Federal	WI	A
S PLEASANT VALLEY FED 4-15-9-17	15	090S	170E	4301332018	12417	Federal	OW	P
S PLEASANT VALLEY FED 6-15-9-17	15	090S	170E	4301332019	12417	Federal	OW	P
S PLEASANT VALLEY FED 7-15-9-17	15	090S	170E	4301332020	12417	Federal	WI	A
S PLEASANT VALLEY FED 10-15-9-17	15	090S	170E	4301332022	12417	Federal	OW	P
STATE 16-2	16	090S	170E	4301330552	12417	State	OW	TA
K JORGENSEN ST 16-4	16	090S	170E	4301330572	12417	State	WI	A
LONE TREE 10-16-9-17	16	090S	170E	4301332087	12417	State	OW	P
LONE TREE 15-16-9-17	16	090S	170E	4301332089	12417	State	OW	P
LONE TREE 16-16-9-17	16	090S	170E	4301332150	12417	State	OW	P
S PLEASANT VALLEY FED 2-20	20	090S	170E	4301331737	12417	Federal	OW	P
S PLEASANT VALLEY FED 1-21	21	090S	170E	4301331563	12417	Federal	WI	A
S PLEASANT VALLEY FED 4-22	22	090S	170E	4301331522	12417	Federal	OW	P
S PLEASANT VALLEY FED 2-22-9-17	22	090S	170E	4301332023	12417	Federal	OW	P
S PLEASANT VALLEY FED 3-22-9-17	22	090S	170E	4301332024	12417	Federal	WI	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

Lease: K. JORGENSEN STATE
Well #: 16-4

Spud Date: 06/21/1981
KB: 5289.5
TD: 5750

Comp Date: 10/21/1981
ELEV: 5217
PBD: 5713

API #: 43-013-30572-
Location: Sec 16 Twn 09S Rng 17E
County: DUCHESNE
State: UTAH
Field: UNDESIGNATED
Operator: CKM RESOURCES INC.

	Start End	Size Length	Description
0-	0.0	12.250	Hole: SURFACE
	261.0	261.0	
	0.0	8.625	Casing: SURFACE
	261.0	261.0	
	0.0		Cement:
	261.0	261.0	
580-			
1160-			
1740-			
2320-			
2900-	261.0	7.875	Hole: PRODUCTION
	3013.0	2752.0	
	0.0		Cement:
	3013.0	3013.0	
	0.0	5.500	Casing: PRODUCTION
	3013.0	3013.0	
3480-			
4060-			
4640-	4134.0		Perf: 2SPF
	4552.0	418.0	
	5306.0		Perf:
	5310.0	4.0	
	5494.0		Perf:
	5506.0	12.0	
	5511.0		Perf:
	5516.0	5.0	
	5519.0		Perf:
	5523.0	4.0	
	3013.0	7.875	Hole: PRODUCTION
	5750.0	2737.0	
	0.0	4.500	Casing: PRODUCTION
	5750.0	5750.0	
	0.0		Cement:
	5750.0	5750.0	
5220-			

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-3453-B

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 1984 FSL 660 FEL

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
LONE TREE UNIT

8. WELL NAME and NUMBER:
K JORGENSON ST 16-4

9. API NUMBER:
4301330572

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSE, 16, T9S, R17E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 11/10/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT.	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 10/31/08 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. Permission was given at that time to perform the test on 11/11/08. On 11/11/08 the csg was pressured up to 1150 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1700 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20853-04498 API# 43-013-30572

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

NAME (PLEASE PRINT) Callie Duncan

TITLE Production Clerk

SIGNATURE

DATE 11/14/2008

(This space for State use only)

RECEIVED

NOV 17 2008

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 11 / 10 / 08
Test conducted by: Trefley J. Ruzar
Others present: _____

Well Name: <u>State 16-4-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>NW 1/4</u> Sec: <u>16</u> T <u>9</u> N <u>10</u> R <u>17</u> E W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Newfield</u>		
Last MIT: <u> </u> / <u> </u> / <u> </u> Maximum Allowable Pressure: <u> </u> PSIG		

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☒ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☐ Yes ☒ No If Yes, rate: bpd

Pre-test casing/tubing annulus pressure: 0 psig

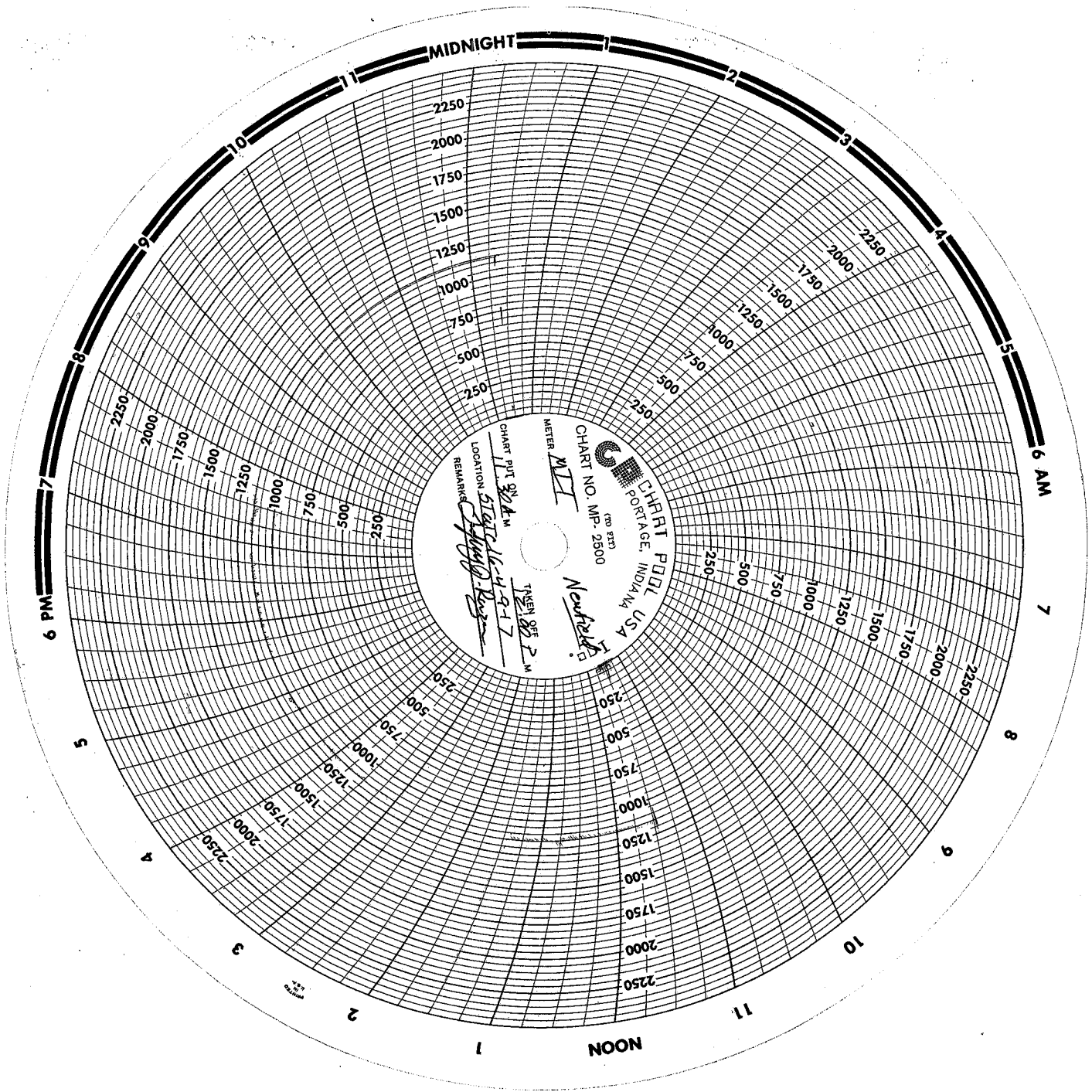
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		
Initial Pressure	<u>1700</u> psig	psig	psig
End of test pressure	<u>1700</u> psig	psig	psig
CASING / TUBING	ANNULUS PRESSURE		
0 minutes	<u>1150</u> psig	psig	psig
5 minutes	<u>1150</u> psig	psig	psig
10 minutes	<u>1150</u> psig	psig	psig
15 minutes	<u>1150</u> psig	psig	psig
20 minutes	<u>1150</u> psig	psig	psig
25 minutes	<u>1150</u> psig	psig	psig
30 minutes	<u>1150</u> psig	psig	psig
_____ minutes	<u> </u> psig	psig	psig
_____ minutes	<u> </u> psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test ? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3453B
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: K JORGENSON ST 16-4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1984 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 16 Township: 09.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013305720000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/20/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input checked="" type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="MIT / Anguard"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The above subject well had workover procedures performed (tubing /casing leak), attached is a daily status report. 11/19/2013 20 bbls Anguard and 7 bbls fredh fluid pumped down csg. Workover MIT performed on the above listed well. On 11/20/2013 the csg was pressured up to 1441 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 550 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04498		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 26, 2013		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 11/26/2013	

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____

Date: 11/20/2013Test conducted by: Bart StubbsOthers present: Mike Jensen

Well Name: <u>K. Jorgensen St. 16-4-9-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Monument Butte</u>		
Location: <u>NW/SE</u>	Sec: <u>16</u>	T <u>9</u> N <u>(S)</u> R <u>17(E)</u> W
County: <u>Duckhorn</u>		State: <u>MT</u>
Operator: <u>Newfield Production</u>		
Last MIT: <u>1</u>	Maximum Allowable Pressure: <u>1775</u>	PSIG

Is this a regularly scheduled test?

☐ Yes ☐ No

Initial test for permit?

☐ Yes ☒ No

Test after well rework?

☒ Yes ☐ No

Well injecting during test?

☐ Yes ☒ No

If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 1442 / 550 psig

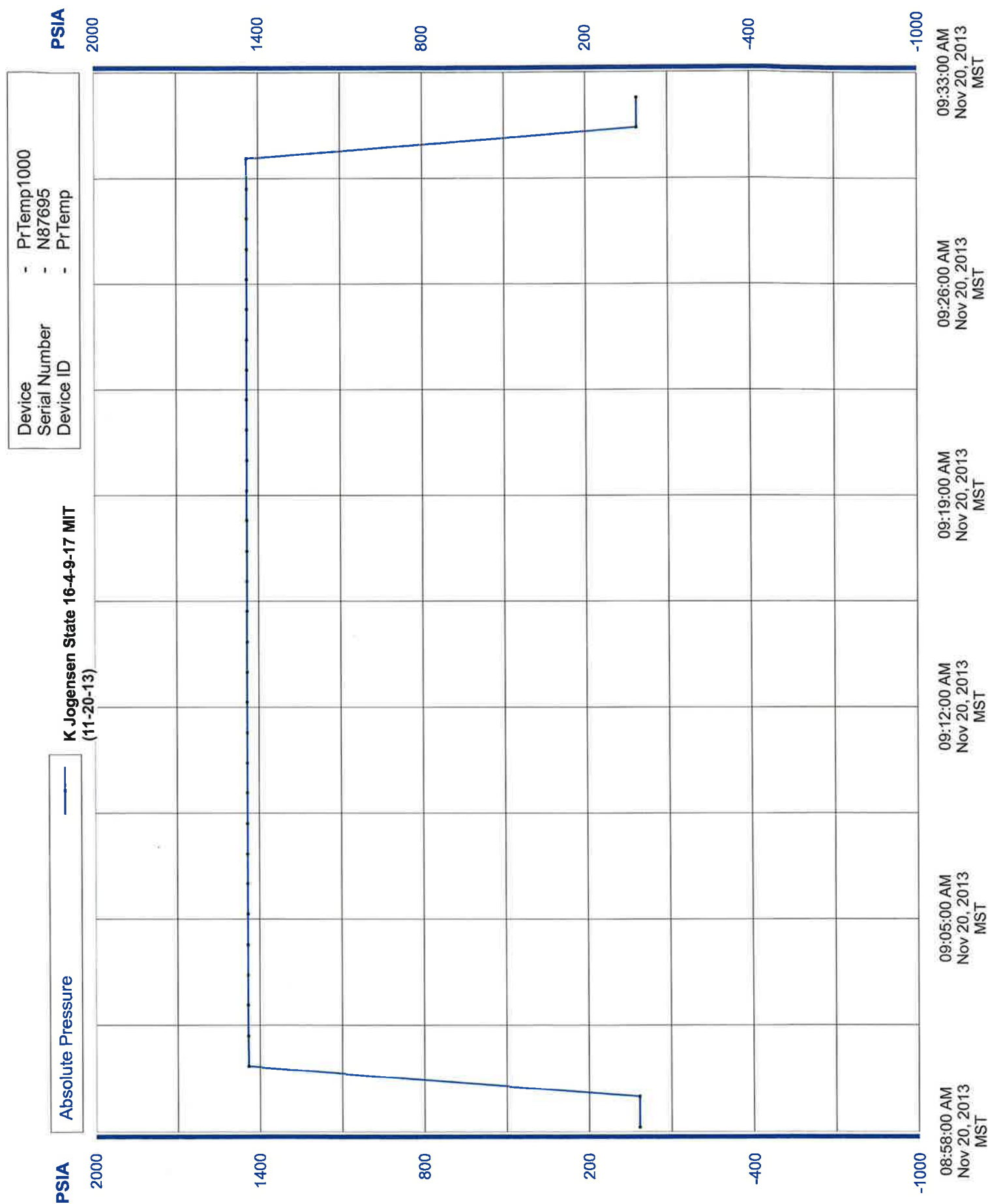
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		
Initial Pressure	<u>550</u> psig	psig	psig
End of test pressure	<u>550</u> psig	psig	psig
CASING / TUBING	ANNULUS PRESSURE		
0 minutes	<u>1442</u> psig	psig	psig
5 minutes	<u>1443</u> psig	psig	psig
10 minutes	<u>1443</u> psig	psig	psig
15 minutes	<u>1443</u> psig	psig	psig
20 minutes	<u>1442</u> psig	psig	psig
25 minutes	<u>1442</u> psig	psig	psig
30 minutes	<u>1441</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



Daily Activity Report
Format For Sundry
K JORGENSON 16-4-9-17
9/1/2013 To 1/30/2014

10/28/2013 Day: 1**Tubing Leak**

WWS #9 on 10/28/2013 - MIRUSU, TOO H w/tbg - change all Eqp over to 2 3/8 from 2 7/8 NU well head 9am PU release Pkr Nu Bops Rd floor & Tbg Eqp 9:45 drop SV pres up to 3000psi pres keeps drooping off RIH w/sandline cant get deeper then 4268 ft 10:45 POOH w/sandline RU hotoiler 2 TBG pumped 10bbbls down @ 2700 Psi no test pull wet string unable to get down to SV 12:00 TOO H w/ 2 3/8 tubing joint/#27 has good size corasion hole LD rigup hotoiler pressure up TBG still have a leak 12:45 cont. POOH w/TBG found second hole joint #39 LD cont. TOO H 100 joints out TBG is plugged off w/ oil and sand 13:00 pm laid down each joint pump clean w/hotoiler 23 joints plugged cont. TOO H 12 joints PSN /PKR/14:30 pm TIH w/ 2 3/8 X-N Nipple 4foot by 2 3/8 TBG sub 5 1/2 PKR /on -off tool /PSN 15:45 stacked out on unexspected 4 1/2 liner w/5 1/2 PKR fiush TBG w/30bbbls TOO H 91 Jts RIH w/4 1/2 PKR Monday SWIFN

Daily Cost: \$0**Cumulative Cost:** \$19,866**10/29/2013 Day: 2****Tubing Leak**

WWS #9 on 10/29/2013 - Drop SV, test tbg. - 6AM TO 7AM CREW TRAVEL AND SAFETY MTG Make up RIH w/ 2 3/8 xn-nipple, 4'x2 3/8 tbg sub, 4 1/2 ARROW set PKR, on-off tool, new 2 3/8 PSN, 2 NEW JNTS 2 3/8 J-55 TBG, 133 jnts 2 3/8 tbg 8:45AM flush tbg w/ 30bbbls @ 250f then 20bbbls cold 9:30AM drop SV pump 35bbbls no pres. 10:00AM RIH w/ sandline to ensure SV is seated POOH 10:30AM ru HOTOILER pres. up TBG to 3000psi watch 30 mins lost 100psi 11:15AM pres. TBG back up to 3000psi watch 30 mins good bleed off pres. RU RIH w/ sandline retrieve SV POOH stacked out on something @ 3000' work sandline up and down 12:15 to 12:45 pump 10bbbls down the csg sandline started dropping go down latch onto SV POOH 13:00pm RD floor ND bops 13:30pm pump 60bbbls PKR fluid doen csg 14:00pm PU set PKR @ 4366' C.E w/ 15,000 tenchion NU well head 14:30pm fill csg w/ 3bbbls cant get to go over 500psi release PKR release move up and down hole reset PKR still unable to pres up over 500psi 15:00pm POOH 8jnts set PKR above squeeze holes 4110' still leaking POOH testing csg 16:45pm TOO H to replace pkr RIH w/ new PKR in AM SWIFN 18:00 TO 19:00PM CREW TRAVEL BLACK GOLD TRKING HUALD IN 120BBLS FRESH HAULED OFF 120BBLS BAD WTR

Daily Cost: \$0**Cumulative Cost:** \$27,316**10/30/2013 Day: 3****Tubing Leak**

WWS #9 on 10/30/2013 - Release packer, search for hole. - 6AM TO 7AM CREW TRAVEL AND SAFTEY MTG 7AM make up 4 1/2 PKR assembly TIH w/ 135 jnts 2 3/8 tbg 9:45am set PKR @ 4361' pres. up csg to 600psi pumpinig into leak @ 2bbbls a min. 10:00AM release PKR flush TBG w/ 40bbbls @250f 10:45AM TOO H w/ 40 jnts set PKR @ 3056' RU hotoiler test csg still have same leak 11:15AM cont. TOO H LD 4 1/2 PKR 12:25 PU RIH w/ 4 1/2 RBP set @ 3066' 13:15PM TOO H w/ TBG 14:15PM TIH w/ 5 1/2 PKR set@ 2991' RU hotoiler test 4 1/2 liner top to 1800psi good RU to csg no test in the 5 1/2 csg release PKR test csg to surface while TOO H narrowed leak down to 10' section 1419' to 1429' will not test pumping 2bbbls a min @600psi injected total of 50bbbls today into leak while looking for leak 17:00PM TOO H w/ 5 1/2 PKR wait on next step from engineer in morning SWIFN 18:00PM TO 19:00PM CREW TRAVEL

Daily Cost: \$0

Cumulative Cost: \$34,886

10/31/2013 Day: 4**Tubing Leak**

WWS #9 on 10/31/2013 - Dump 2 bags sand, circulate. - 5AM TO 6AM CREW TRAVEL AND SAFETY MTG 6AM TO 9AM safety summit mtg in vernal 10:45am make up 4 1/2 retreating head TIH w/ tbg latch onto RBP 11:25am TOO H w/ 94 jnts LD RBP 12:45 PU RIH w/ model C RBP 51jnts set @ 1636' come off it 2jnts flush well bore clean w/ 50bbls @250f dump 2 sacks of sand spot w/ 8bbls 14:30pm TOO H w/ tbg 15:00pm TIH w/ CICR set@ 1319' 15:20pm test csg to 1000psi good SWIFN 16:00PM TO 17:00PM CREW TRAVEL

Daily Cost: \$0**Cumulative Cost:** \$42,761

11/1/2013 Day: 5**Tubing Leak**

WWS #9 on 11/1/2013 - Pump cement. - 6AM TO 7AM crew travel and safety mtg JSA MTG w/ Baker hughes 8:50am pres test pump lines to 3500psi good pump cement job 10:00am PU unsting from CICR reverse tbg clean 10:20am TOO H w/ tbg 41 jnts SWIFN service rig 12:00 to 13:00pm crew travel

Daily Cost: \$0**Cumulative Cost:** \$53,309

11/5/2013 Day: 6**Tubing Leak**

WWS #9 on 11/5/2013 - Drill out cement. - 6AM TO 7AM Crew travel and safety mtg 7AM make up 4 3/4 blade mill, bit sub, 4-jnts 3 1/8 drill collars, cross over 8:45am RIH w/ 2 3/8 tbg rig up RBS swivel start milling up CICR @ 9:30AM 14:45pm went through CICR cont. drill down through cement going really slow made it to 1342' circulate well clean pull up one jnt EOT @1310' SWIFN drain pump and lines - 6AM TO 7AM CREW TRAVEL AND SAFETY MTG RIH w/ 6 stands LD 12 jnts to drill with 8:25am RIH w/ 4 3/4 blade mill, bit sub, 2 3/8 PSN 41 jnts 2 3/8 tbg tag CICR @ 1319' RU RBS power swivel and wws pump and lines 9:35AM start drill on CICR made 1" in 6 1/2 hrs 16:00pm TOO H w/ 41 jnts 2 3/8 tbg LD bit sub drain pump and lines SWIFN PU drill collars Monday morning CREW TRAVEL 17:00PM TO 18:00PM - 6AM TO 7AM CREW TRAVEL AND SAFETY MTG RIH w/ 6 stands LD 12 jnts to drill with 8:25am RIH w/ 4 3/4 blade mill, bit sub, 2 3/8 PSN 41 jnts 2 3/8 tbg tag CICR @ 1319' RU RBS power swivel and wws pump and lines 9:35AM start drill on CICR made 1" in 6 1/2 hrs 16:00pm TOO H w/ 41 jnts 2 3/8 tbg LD bit sub drain pump and lines SWIFN PU drill collars Monday morning CREW TRAVEL 17:00PM TO 18:00PM - 6AM TO 7AM Crew travel and safety mtg 7AM make up 4 3/4 blade mill, bit sub, 4-jnts 3 1/8 drill collars, cross over 8:45am RIH w/ 2 3/8 tbg rig up RBS swivel start milling up CICR @ 9:30AM 14:45pm went through CICR cont. drill down through cement going really slow made it to 1342' circulate well clean pull up one jnt EOT @1310' SWIFN drain pump and lines

Daily Cost: \$0**Cumulative Cost:** \$64,075

11/6/2013 Day: 8**Tubing Leak**

WWS #9 on 11/6/2013 - TIH w/ rock bit drill collar. - 6AM TO 7AM Crew travel and safety mtg 7AM TOO H w/ tbg and drill collars LD blade mill 8:45AM TIH w/ 4 3/4 rock bit drill collar and tbg tag cement at 1342' RU RBS swivel start drilling cement at 9:35AM 13:40PM make connection depth is 1374' cont. drill cement tell 16:30PM total depth today is at 1402' circulate well bore clean hang back swivel pull 1jnt EOT @ 1370' SWIFN

Daily Cost: \$0**Cumulative Cost:** \$78,096**11/8/2013 Day: 9****Casing Leak**

WWS #9 on 11/8/2013 - drill cement starting depth 1402', rig up hotoiler test csg patch to 1000ps - 6AM TO 7AM CREW TRAVEL AND SAFETY MTG 7AM rig up hot oiler thow well head rig up RBS power swivel 8AM cont. drill cement starting depth 1402' 9:20am EOT at 1440' rig up hotoiler test csg patch to 1000psi good cont. clean out to the model C RBP circulate well bore clean 11:00AM rack out swivel 11:15AM test csg again to 1200psi good TOOHD drill collars 13:00pm TIH w/ retreaving head 51 jnts tbglatch onto RBP PU release it 13:35pm TOOHD RBP 14:45PM RIH w/ 2 3/8 xn-nipple, 1-4'x2 3/8 tbg sub, 1-4 1/2 arrow set PKR, on-off tool, 1-2 3/8 PSN, 135 jnts 2 3/8 j-55 tbg 16:00pm flush tbg w/ 30bbls drop SV pump another 30bbls couldnt get SV to seat mess w/ it more in the morning SWIFN 17:00PM 17:00PM TO 18:00PM CREW TRAVEL - 6AM TO 7AM CREW TRAVEL AND SAFETY MTG 7AM rig up hot oiler thow well head rig up RBS power swivel 8AM cont. drill cement starting depth 1402' 9:20am EOT at 1440' rig up hotoiler test csg patch to 1000psi good cont. clean out to the model C RBP circulate well bore clean 11:00AM rack out swivel 11:15AM test csg again to 1200psi good TOOHD drill collars 13:00pm TIH w/ retreaving head 51 jnts tbglatch onto RBP PU release it 13:35pm TOOHD RBP 14:45PM RIH w/ 2 3/8 xn-nipple, 1-4'x2 3/8 tbg sub, 1-4 1/2 arrow set PKR, on-off tool, 1-2 3/8 PSN, 135 jnts 2 3/8 j-55 tbg 16:00pm flush tbg w/ 30bbls drop SV pump another 30bbls couldnt get SV to seat mess w/ it more in the morning SWIFN 17:00PM 17:00PM TO 18:00PM CREW TRAVEL - 6AM TO 7AM CREW TRAVEL AND SAFETY MTG 7AM pump 10bbls tbg nut pressuring up RIH w/ sandline seat SV POOH 8:15AM pres up tbg to 3000psi watch 30 mins lost 40 psi pres back up to 3000psi watch 30 mins good 9:40AM RIH reytreave SV POOH 10:00AM RD floor and ND bops land tbg pump 65bbls PKR fluid 10:40AM PU set PKR @4378' w/ 15,000 tension land tbg on b-1adaptor NU well head pres up csg to 1200psi watch 30 mins lost 300psi 11:40am pres csg back up to 1200psi watch 30 mins lost 500psi pres back up 1200psi 13:00pm at 13:07pm lost all pres on csg pumping into leak 3/4bbl a min w/ 1000psi 13:20pmND well head release pkr NU bops RU floor and tbg works 14:00pm TOOHD w/ 40 jnts set pkr @ 3040' pres up csg now pumping 2bbl a min at 1000psi flush tbg w/ 50bbls to clean well bore 15:00pm cont. TOOHD 135 jnt LD PKR SWIFN RIH in morning w/ tools again 16:30pm to 17:30pm crew travel - 6AM TO 7AM CREW TRAVEL AND SAFETY MTG 7AM pump 10bbls tbg nut pressuring up RIH w/ sandline seat SV POOH 8:15AM pres up tbg to 3000psi watch 30 mins lost 40 psi pres back up to 3000psi watch 30 mins good 9:40AM RIH reytreave SV POOH 10:00AM RD floor and ND bops land tbg pump 65bbls PKR fluid 10:40AM PU set PKR @4378' w/ 15,000 tension land tbg on b-1adaptor NU well head pres up csg to 1200psi watch 30 mins lost 300psi 11:40am pres csg back up to 1200psi watch 30 mins lost 500psi pres back up 1200psi 13:00pm at 13:07pm lost all pres on csg pumping into leak 3/4bbl a min w/ 1000psi 13:20pmND well head release pkr NU bops RU floor and tbg works 14:00pm TOOHD w/ 40 jnts set pkr @ 3040' pres up csg now pumping 2bbl a min at 1000psi flush tbg w/ 50bbls to clean well bore 15:00pm cont. TOOHD 135 jnt LD PKR SWIFN RIH in morning w/ tools again 16:30pm to 17:30pm crew travel

Daily Cost: \$0**Cumulative Cost:** \$88,483**11/11/2013 Day: 11****Casing Leak**

WWS #9 on 11/11/2013 - RIH w/ 5 1/2 TS RBP set @ 1605' pull up spot 2 bag sand onto of RBP rig up hot oiler pump sand dow w/ 8bbls - 6AM TO 7AM crew travel and safety mtg 7AM RIH w/ 5 1/2 TS RBP set @ 1605' pull up spot 2 bag sand onto of RBP rig up hot oiler pump sand dow w/ 8bbls 8:05am TOOHD w/ tbg 8:30am TIH w/ CICR to 1351' RU hot oiler test csg from surface to the CICR good 1200psi RU to tbg pump into leak 2bbls a min 1000psi 9:30am wait on cement crew 11:45am RU HALLIBURTON 13:00pm test pump line no leaks pump

squeeze job last pres test cement held 1800psi good 14:50pm unstring from CICR reverse circulate to clean up tbg RD HALLIBURTON 13:30PM TOO H w/ tbg 42 jnts SWIFN

Daily Cost: \$0

Cumulative Cost: \$97,208

11/12/2013 Day: 12**Casing Leak**

WWS #9 on 11/12/2013 - RIH w/ slaughs 4 3/4 guided blade mill 4 jnts 3 1/8 drill collars 41 jnts 2 3/8 tbg 8:45am rig up RBS swivel and rig pump tqg cement @ 1343' 8' of cement on top of CICR clean out to CICR - 6AM TO 7AM crew travel and safety mtg 7AM make up RIH w/ slaughs 4 3/4 guided blade mill 4 jnts 3 1/8 drill collars 41 jnts 2 3/8 tbg 8:45am rig up RBS swivel and rig pump tqg cement @ 1343' 8' of cement on top of CICR clean out to CICR @ 1351' 10:30am start drilling on CICR pump pres. is 400psi pumping 3.68bbls a min 15:30pm drilled through CICR 5hrs to drill up CICR cont.down drilling cement 22' final depth today is 1373' circ well clean pull up 1 jnt EOT @ 1341' SWIFN drain pump and lines 17:30pm to 18:30 pm crew travel

Daily Cost: \$0

Cumulative Cost: \$109,315

11/13/2013 Day: 13**Casing Leak**

WWS #9 on 11/13/2013 - Drill cement 6" a min, drill through 1455', well bore clean, psi csg to 1200 psi lost 180 psi in 10 min - 6AM TO 7AM crew travel and safety mtg 7AM RU power swivel and pump lines 7:35am cont. drill cement 1.5 inches a min to 1/2" a min 9:35am first jnt down EOT @1405' make another connection milling down second jnt making 6" a min 10:15AM EOT @ 1438' make third connection 10:23am 6" a min 10:26am through cement 1455' cont. PU pipe to 1535' circ. Well bore clean 10:45am to 11:05am RU hotoiler pres up csg to 1200psi lost 180psi in 10 mins 11:15am pres back up to 1200psi watch 1hr lost 400psi 12:15pm 2hrs lost 500psi

Daily Cost: \$0

Cumulative Cost: \$117,453

11/14/2013 Day: 14**Casing Leak**

WWS #9 on 11/14/2013 - CK CSG pres 180 PSI lost 1320 PSI over night bleed off press TOO H W/ TBG & drill collars - 6AM TO 7AM crew travel and safety mtg CK CSG pres 180 PSI lost 1320 PSI over night bleed off press TOO H W/ TBG & drill collars 8:15 AM RU Haliberton 9:36 am Hold JSA meeting w/everybody on location 9:51 am pres test pump lines To 4000 PSI good pump 7 Barrels cement displace with 4 1/2 barrels fresh 10:30 am pull TBGup out of cement slow 10 jnts TooH w/ TBG 11:15 am rig halliburton up to csg valve pump squeeze @ 12:01 pres up to 2988 psi watch 30 min lost 45 psi 12:31 pm 2943 psi watch 30 more min down to 2905 lost 38 psi 13:01 pm press up to 3080 psi 14:30 pm watch 30 min lost 40 psi 13:31 pm SWIFN pres @ 3040 psi RD Halliburton 14:30pm to 15:30pm crew travel

Daily Cost: \$0

Cumulative Cost: \$137,035

11/15/2013 Day: 15**Casing Leak**

WWS #9 on 11/15/2013 - CK pres on csg 1760psi lost 1280psi over night bleed off pres TIH w/ Slaughs 4 3/4 guided blade mill 4-3 1/8 drill collar - 6AM TO 7AM crew travel and safety mtg CK pres on csg 1760psi lost 1280psi over night bleed off pres TIH w/ Slaughs 4 3/4 guided blade mill 4-3 1/8 drill collars 37 jnts 2 3/8 tbg tag cement top @ 1302' 8:00am RU

Summary Rig Activity

RBS swivel start drilling cement 8:25am drill up 10' 8:40am make connection cont. drill down making 3' every 5mins 9:07am make connection drilling slowed down to 12" a min 9:45am make connection drill down at 6" a min now 3rd jnt down EOT @1405' 10:43am make 4th connection cont. drill down 6" a min 11:30am make 5th connection drill down 6" a min 12:15 circ well clean while eating lunch 12:49 make 6th connection drill down 6" a min 13:33pm make 7th connection drill down 6" a min 14:26pm make 8th connection drill down 4" a min now 15:32pm make 9th connection drill down 4" a min fell through cement @ 1588' go tag sand on top of RBP pull up circ well bore clean leave sand on plug LD 3 jnts EOT @1502' SWIFN 280' total cement drilled today 17:00pm to 18:00pm crew travel

Daily Cost: \$0

Cumulative Cost: \$157,860

11/18/2013 Day: 16**Casing Leak**

WWS #9 on 11/18/2013 - PSI test csg - 6AM TO 7AM crew travel and safety mtg 7am rig up pump pres up csg to 1490psi watch 30 mins down to 1380 lost 110psi 3.6 psi a min watch another 30 mins down to 1340 lost 40psi bleed off to 0 pres back up to 1500psi 8:28am watch 30 mins 1440 lost 60psi bleed off pres 8:58am rack out swivel RD floor ND bops land tbg on well head to try get a better test on csg pres up to 1500psi 9:56am watch 30 mins lost 60psi 2psi a min 10:56am pres up 1500psi 11:26am lost 40psi 11:56am to 12:26 lost 20psi bleed off pres to 0 pres up to 1500psi watch up 30 mins 12:56 pres at 1460psi lpost 40psi watch 30 mins 13:26pm pres @ 1440 lost 20psi 13:26pm to 13:56pm lost 20psi 30 more mins lost 20psi 14:26pm to 14:56pm lost 10psi 14:56 to 15:26pm lost 0psi 15:56 to 16:26pm lost 0psi leave at 1390psi over the weekend SWIFN

Daily Cost: \$0

Cumulative Cost: \$163,283

11/19/2013 Day: 17**Casing Leak**

WWS #9 on 11/19/2013 - ck pres on csg 690psi lost 700psi over the weekend bleed off pres NU bops RD floor PU 4 jnts 8:00am RU circ. jnt clean sand of top of RBP - 6AM TO 7AM travel and safety mtg ck pres on csg 690psi lost 700psi over the weekend bleed off pres NU bops RD floor PU 4 jnts 8:00am RU circ. Jnt clean sand of top of RBP 8:50am TOO H w/ tbg and drill collars 9:30am TIH w/ retreaving head 50 jnts 10:40am RU circ jnt latch on to RBP 11:15am TOO H w/ 50 jnts RBP not there 11:48am TIH again w/ retreaving head chase to linner top @ 3013' 95jnts latch onto RBP 12:30pm TOO H 95 jnts LD RBP 13:50pm TIH w/ 2 3/8 re entry guide,xn-nipple,1-4'x2 3/8 tbg sub,1-4 1/2 arrow set pkr,on-off tool,new psn,135 jnts 2 3/8 j-55 tbg 15:30pm pump 20bbls wtr SV not seated 15:50pm RIH w/ sandline to seat SV POOH RU hotoiler 16:15pm pres up tbg to 3000psi watch 30mins looks good leave pres tbg over night to ensure good test SWIFN 17:00PM TO 18:00PM CRREEW TRAVEL

Daily Cost: \$0

Cumulative Cost: \$170,231

11/20/2013 Day: 18**Casing Leak**

WWS #9 on 11/20/2013 - Check pressure on TBG 2400 lost 300 PSI over night pres up to 3000 PSI watch 45 mins no loss bleed off pre. 8:00am RIH with overshot fish SV - 6AM TO 7AM crew travel and safety mtg 7am Check pressure on TBG 2400 lost 300 PSI over night pres up to 3000 PSI watch 45 mins no loss bleed off pre. 8:00am RIH with overshot fish SV POOH RD floor ND Bops 8:25am rig up hotoiler pump 50bbls pkr fluid 8:45am Ru halliburton to csg 9:20am hold JSA and saftey MTG pres test pumpline good 9:35am pump anguard 20 bbls followedw/ 7bbls fresh water 9:47am set PKR keeps slipping mess w/ it for awhile got to set @ 4347 pres up to 1614 Psi RD halliborton 11:05am pres @ 1520 Psi watch 30 min

11:35am lost 10psi 12:05pm lost 30 psi pres @ 1480 keep watching pres 12:35pm 15:35pm 1460 lost 20psi in 3 hours watch pres tell 17:00pm still 1460 Hr 1/2 still 1460 psi no loss CK in morning SWIFN

Daily Cost: \$0

Cumulative Cost: \$188,273

11/21/2013 Day: 20

Casing Leak

Rigless on 11/21/2013 - Conduct MIT - 6AM TO 7AM crew travel and safety mtg 7am CK pres on csg 1340psi lost 120psi over night RU hotoiler pres back up to 1500psi wait on a MIT chart 8:50am RU chart watch 30 mins good test RDMO final report - 6AM TO 7AM crew travel and safety mtg 7am CK pres on csg 1340psi lost 120psi over night RU hotoiler pres back up to 1500psi wait on a MIT chart 8:50am RU chart watch 30 mins good test RDMO final report - Workover MIT performed on the above listed well. On 11/20/2013 the csg was pressured up to 1441 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 550 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04498 - Workover MIT performed on the above listed well. On 11/20/2013 the csg was pressured up to 1441 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 550 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04498 **Finalized**

Daily Cost: \$0

Cumulative Cost: \$203,777

Pertinent Files: Go to File List

Spud Date: 6/25/81
 Put on Production: 10-21-81
 GL: 5277' KB: 5289'

K. Jorgenson State 16-4-9-17

Initial Production: 12 BOPD,
 0 MCFPD, 3 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE:
 WEIGHT:
 DEPTH LANDED: 261'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 428 sxs Class "G"

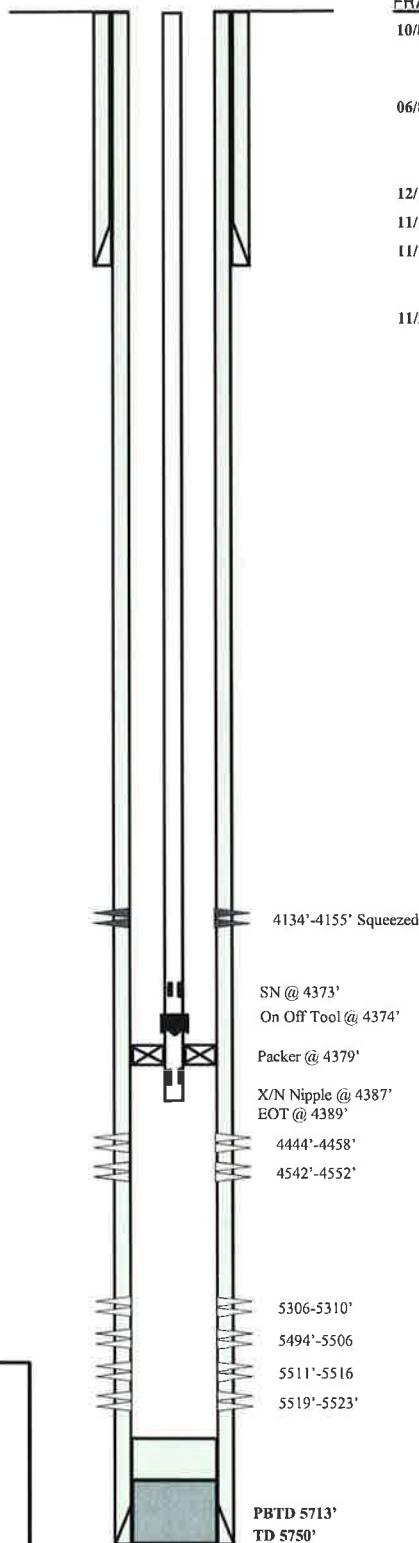
PRODUCTION CASING

CSG SIZE: 5-1/2" & 4-1/2"
 WEIGHT: 15.5#
 LENGTH:
 DEPTH LANDED: 3013' & 5750'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 855 sxs 50/50 Type 5W

TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 6.5#
 NO. OF JOINTS: 14 jts (441')
 NO. OF JOINTS: 121 jts (3920')
 SEATING NIPPLE: 2-3/8" (1.10')
 SN LANDED AT: 4373' KB
 ON/OFF TOOL AT: 4374.1'
 ARROW #1 PACKER CE AT: 4379.3'
 TBG PUP 2-3/8 J-55 AT: 4383.1'
 X/N NIPPLE AT: 4387.2'
 TOTAL STRING LENGTH: EOT @ 4388.74'

Injection Wellbore Diagram



FRAC JOB

10/81 4134'-4552' 16,168# 20/40 sd and 45,000 10/20# sd,
 196 bbls diesel, 90 bbls flush.
 06/84 5494'-5523' 390 sxs 20/40 sd and gel wtr
 5306'-5310' 200 sxs 20/40 sd and gel wtr
 4134'-4552' 1500 sxs 20/40 sd and gel wtr,
 12/19/98 Well converted to an Injection well.
 11/10/08 5 Year MIT completed and submitted.
 11/19/13 Anguard Workover - R/U Halliburton To Csg & prmp
 20 Bbls Anguard followed by 7 Bbls fresh
 water D/Csg. Test - good test.
 11/20/13 Workover MIT Finalized - update tbg detail

PERFORATION RECORD

Date	Depth Range	SPF
6/84	5306'-5310'	2 SPF
06/84	5494'-5506'	2 SPF
	5511'-5516'	2 SPF
	5519'-5523'	2 SPF
10/81	4134'-4155'	2 SPF Cement Squeezed 6/84
	4444'-4458'	2 SPF
	4542'-4552'	2 SPF

NEWFIELD

K. Jorgenson State 16-4-9-17

660' FEL and 1984' FSL
 NESE Section 16-T9S-R17E
 Duchesne Co, Utah
 API #43-013-30572; Lease #ML-3453B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

DEC 04 2013

Ref: 8ENF-UFO

CERTIFIED MAIL 7008-3230-0003-0724-6867
RETURN RECEIPT REQUESTED

RECEIVED
DEC 09 2013
DIV. OF OIL, GAS & MINING

Mr. J D Horrocks
Newfield Exploration Company
Route 3, Box 3630
Myton, UT 84052

AS 17E 16

Re: Underground Injection Control (UIC)
Permission to Resume Injection
K Jorgenson 16-4-9-17 Well
EPA ID# UT22197-04498
API # 43-013-30572
Lone Tree Oil Field
Duchesne County, UT

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

Dear Mr. Horrocks:

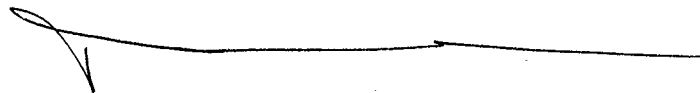
On December 2, 2013, the Environmental Protection Agency (EPA) received information from Newfield Exploration Company on the above referenced well concerning the workover to address a casing leak and the followup mechanical integrity test (MIT) conducted on November 20, 2013. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, due to the use of AnGuard in the workover process and pursuant to Part 8(3)(a) of the permit for this well, the next MIT will be due on or before November 20, 2014.

Pursuant to 40 C.F.R. §144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless the EPA is notified and procedures are described to the EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. §300h. Such non-compliance may subject you to formal enforcement by the EPA, as codified at 40 C.F.R. Part 22.

If you have any questions concerning this letter, you may contact Sarah Roberts at (303) 312-7056.
Please direct all correspondence to the attention of Sarah Roberts at Mail Code 8ENF-UFO.

Sincerely,



Darcy O'Connor, Director
UIC/FIFRA/OPA Technical Enforcement Programs

cc: Gordon Howell, Chairman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Reannin Tapoof, Executive Assistant
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Tony Small, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
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Phillip Chimburas, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Mike Natchees, Environmental
Coordinator
Ute Indian Tribe
P.O. Box 190
Fort Duchesne, Utah 84026

Ronald Wopsock, Vice-Chairman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Stewart Pike, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Bruce Ignacio, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Manuel Myore, Director of Energy,
Minerals and Air Programs
Ute Indian Tribe
P.O. Box 190
Fort Duchesne, Utah 84026

✓ John Rogers
Utah Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3453B
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: K JORGENSON ST 16-4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1984 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 16 Township: 09.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013305720000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/22/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Workover MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The above subject well had workover procedures performed (tubing leak), attached is a daily status report. Workover MIT performed on the above listed well. On 09/22/2014 the csg was pressured up to 1528 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbp pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04498		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 25, 2014		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 9/24/2014	

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____

Date: 9/22/2014Test conducted by: Troy Lazenby

Others present: _____

Well Name: <u>K. Jorgenson ST 16-4-9-17 CTB</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Monument Butte</u>		
Location: <u>NW/SE</u>	Sec: <u>16</u>	T <u>9</u> N <u>18</u> R <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u>
Operator: _____		
Last MIT: <u>1</u>	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test?

☐ Yes ☒ No

Initial test for permit?

☐ Yes ☒ No

Test after well rework?

☒ Yes ☐ No

Well injecting during test?

☐ Yes ☒ No

If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0/1525 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1525</u> psig	psig	psig
5 minutes	<u>1527</u> psig	psig	psig
10 minutes	<u>1528</u> psig	psig	psig
15 minutes	<u>1528</u> psig	psig	psig
20 minutes	<u>1528</u> psig	psig	psig
25 minutes	<u>1528</u> psig	psig	psig
30 minutes	<u>1528</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☐ No

MECHANICAL INTEGRITY PRESSURE TEST

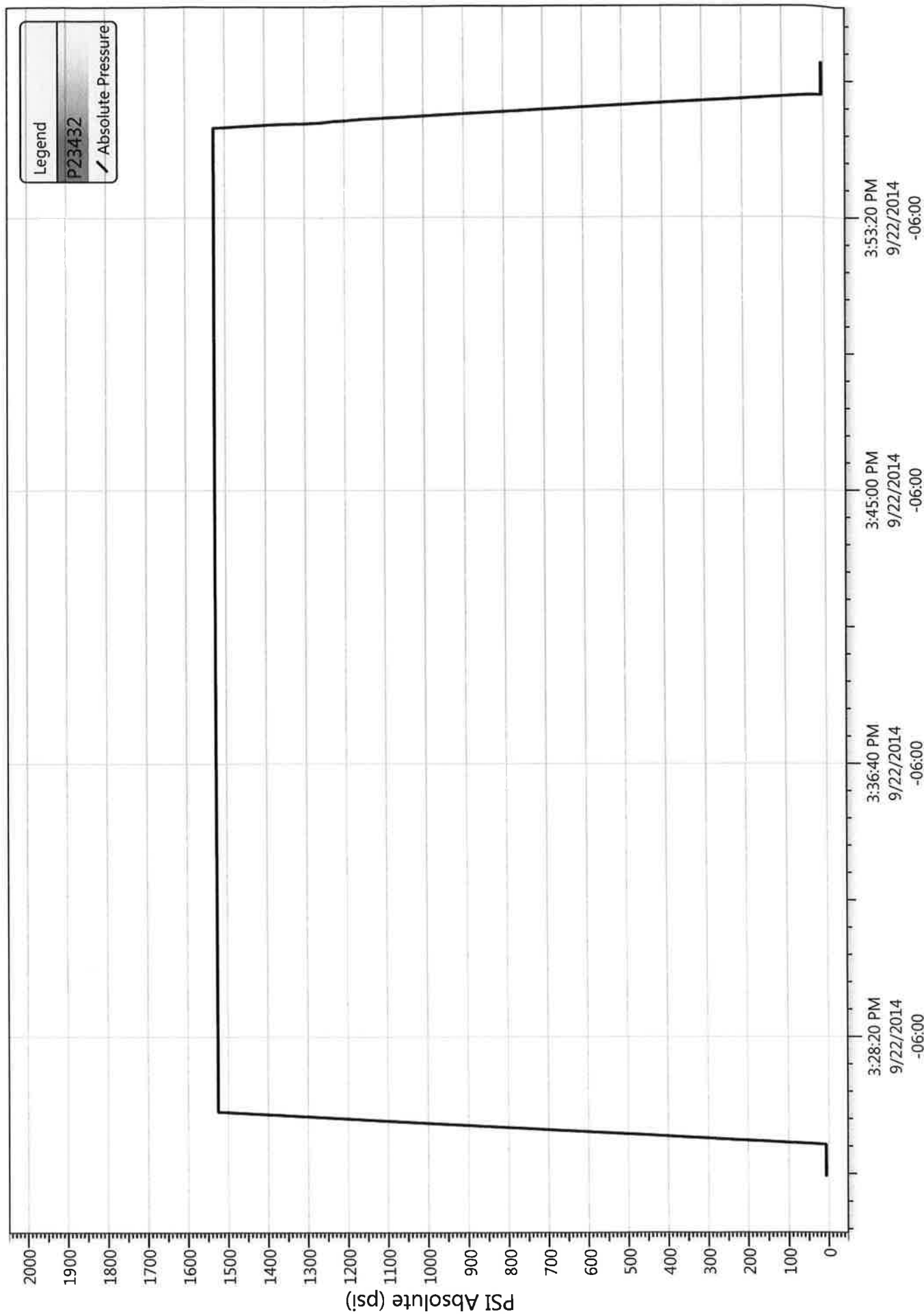
Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



K Jorgenson St. 16-4-9-17 (workover, 9-22-2014)

9/22/2014 3:22:14 PM





Job Detail Summary Report

Well Name: K JORGENSEN 16-4-9-17

Jobs		
Primary Job Type	Job Start Date	Job End Date
Repairs	9/15/2014	9/22/2014

Daily Operations			
Report Start Date	Report End Date	24hr Activity Summary	
9/15/2014	9/15/2014	MIRU	
Start Time	14:30	End Time	15:30
CREW MOVED RIG & EQUIPMENT FROM CASTLE PEAK FEDERAL 24-15-9-16 TO LOCATION K. JORGENSEN STATE 16-4-9-17			
Start Time	15:30	End Time	16:30
SPOT IN EQUIPMENT, LEVEL UP RIG, RIG UP, STRETCH GUIDED WIRES, BLEED DOWN 2 3/8" J-55 TUBING TO PIT			
Start Time	16:30	End Time	17:00
RIG UP WINCH TRUCK POLES GET TUBING EQUIPMENT OUT OF TOOL TRAILER			
Start Time	17:00	End Time	18:30
DROP STANDING VALVE HOOK UP HOT OIL TRUCK, PUMP STAND VALVE DOWN, PUMP AROUND 20 BBLs PRESSURE STAYED RIGHT AROUND 1350 PSI, WHEN NOT PUMPING DROPPED TO 1050 PSI, CASING HAD LITTLE FLOW WHEN OPEN, CLOSE CASING VALVE WHEN PUMPING DOWN TUBING CASING PRESSURED UP TO 300 PSI, SIW SDFN			
Start Time	18:30	End Time	19:30
CREW TRAVEL HOME FROM LOCATION			
Report Start Date	Report End Date	24hr Activity Summary	
9/16/2014	9/16/2014	TOOH	
Start Time	06:00	End Time	07:00
CREW TRAVEL TO LOCATION			
Start Time	07:00	End Time	10:00
SAFETY MEETING (PINCH POINTS), CHECK PRESSURE, SITP - 100 PSI, SICP - 50 PSI, WELL FLOWING, PUMP 20 BBLs W/ BIOCIDES DOWN CASING, HOOK UP TO TUBING PUMP DOWN TUBING W/ 15 BBLs GOT UP TO 1700 PSI BLEED DOWN SLOWLY H2S MONITORS READING 140 PPM, SIW			
Start Time	10:00	End Time	11:00
WAITING ON SCAVINGER FROM MULTICHEMICAL RIG UP SAND LINE LUBRICATOR, & FISH TOOL TO FISH STANDING VALVE, CHANGE FUEL FILTERS ON RIG			
Start Time	11:00	End Time	12:00
SCAVINGER SHOWED UP, PUMP 5 GALS DOWN 2 3/8" J-55 TUBING, CHARGED UP FORMATION, BLEED DOWN TUBING TO ZUBIATE TANK H2S MONITOR READING 7 PPM			
Start Time	12:00	End Time	13:00
RUN IN HOLE W/ SAND LINE TO STANDING VALVE @ 4240', SOME OIL ABOVE STANDING VALVE, LATCH ON & COME OUT OF HOLE W/ FISH TOOL (BABY RED), FLOWING TUBING TO ZUBIATE TANK			
Start Time	13:00	End Time	14:30
CHANGE OVER BLOCKS, NIPPLE DOWN WELL HEAD, TUBING FLOWING, ADD 2 3/8" X 8' PUP SUB, UNSET 5 1/2" PACKER @ 4247', REMOVE 2 3/8" X 8' PUP SUB, NIPPLE UP BOP'S (FUNCTION TEST PIPE RAMS 2 3/8" RAM BLOCKS & BLINDS ARE IN OPEN POSITION), INSTALL TIW VALVE & SHUT IT, RIG UP FLOOR, RIG UP TUBING EQUIPMENT (2ND SET OF TONGS GOT BRAKE BAND FIXED)			
Start Time	14:30	End Time	16:00
PULL TO DERRICK W/ 134 JOINTS 2 3/8" J-55 TUBING, PULLING SLOW LOOKING FOR A HOLE IN TUBING, HOLES IN TUBING JOINT # 107, 10' FROM BOTTOM (CORROSION WEAR HOLES), LAY DOWN 4 1/2" PACKER, ON/OFF TOOL, & 2 3/8" SEAT NIPPLE, MY PAPER WORK SAID I NEEDED 5 1/2" PACKER & I ORDERED 5 1/2" PACKER. CALLED ALFREDO & HIS PAPER WORK SAID 4 1/2" PACKER CALLED DUSTY W/ WEATHERFORD TO ORDER NEW INJECTION PACKER			
Start Time	16:00	End Time	17:00
WAIT ON CALLS, BREAK STANDING VALVE OUT OF FISH TOOL, PICK UP TOOLS, HELP RACK OUT HOT OILER SIW SDFN			



Job Detail Summary Report

Well Name: K JORGENSON 16-4-9-17

Start Time	17:00	End Time	18:00	Comment
Report Start Date	9/17/2014	24hr Activity Summary	CREW TRAVEL HOME FROM LOCATION	
Report End Date	9/17/2014	MAKE UP NEW 4 1/2" PACKER, TIH W/ TBG, DROP STAND VALVE, PRESSURE TEST TBG, FISH STD VALVE, R/D FLOOR, N/D BOP'S, SET PKR, NUJ WELL HEAD		
Start Time	06:00	End Time	07:00	Comment
Start Time	07:00	End Time	09:00	Comment
Start Time	09:00	End Time	10:45	Comment
Start Time	10:45	End Time	11:30	Comment
Start Time	11:30	End Time	12:30	Comment
Start Time	12:30	End Time	15:45	Comment
Start Time	15:45	End Time	17:00	Comment
Start Time	17:00	End Time	18:00	Comment
Start Time	18:00	End Time	19:00	Comment
Report Start Date	9/18/2014	24hr Activity Summary	FINISH PRESSURE TEST ON TUBING, IF TEST GOES GOOD FISH STANDING VAULVE, RIG DOWN FLOOR, NIPPLE DOWN BOP'S, LAND WELL HEAD WITHOUT SETTING THE PACKER, WAIT ON WORD FOR WHEN HANDGAURD WILL BE PUMPED	
Report End Date	9/18/2014			
Start Time	06:00	End Time	07:00	Comment
Start Time	07:00	End Time	07:30	Comment
Start Time	07:30	End Time	08:30	Comment
Start Time	08:30	End Time	09:30	Comment
Start Time	09:30	End Time	10:30	Comment



Job Detail Summary Report

Well Name: K JORGENSON 16-4-9-17

Start Time	10:30	End Time	12:00	Comment
Start Time	12:00	End Time	13:00	Comment
Report Start Date	9/19/2014	Report End Date	9/19/2014	24hr Activity Summary
Start Time	06:00	End Time	07:00	Comment
Start Time	07:00	End Time	15:00	Comment
Start Time	15:00	End Time	17:00	Comment
Report Start Date	9/22/2014	Report End Date	9/12/2014	24hr Activity Summary
Start Time	06:00	End Time	07:00	Comment
Start Time	07:00	End Time	08:30	Comment
Start Time	08:30	End Time	09:30	Comment
Start Time	09:30	End Time	10:00	Comment
Start Time	10:00	End Time	10:30	Comment
Start Time	10:30	End Time	11:00	Comment
Start Time	11:00	End Time	16:00	Comment



Job Detail Summary Report

Well Name: K JORGENSEN 16-4-9-17

Start Time	16:00	End Time	16:30	Comment RIG UP PUMP FOR MIT TEST STARTING PRESSURE 1525 30 MIN GAINED 3 PSI ENDED PRESSURE 1528 PSI - GOOD TEST RIG DOWN PUMPER Workover MIT performed on the above listed well. On 09/22/2014 the csg was pressured up to 1528 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04498
Start Time	16:30	End Time	19:00	Comment SWITCH SLIP DIES TO 2 7/8" & SWITCH ELEVATORS TO 2 7/8" RIG DOWN PREP TO MOVE RIG TO NEW LOCATION - JONAH 10-14-9-16, MOVE RIG TO NEW LOCATION & SPOT RIG ON LOCATION SDFN
Start Time	19:00	End Time	20:00	Comment CREW TRAVEL HOME FROM LOCATION

NEWFIELD

Schematic

Well Name: K JORGENSON 16-4-9-17

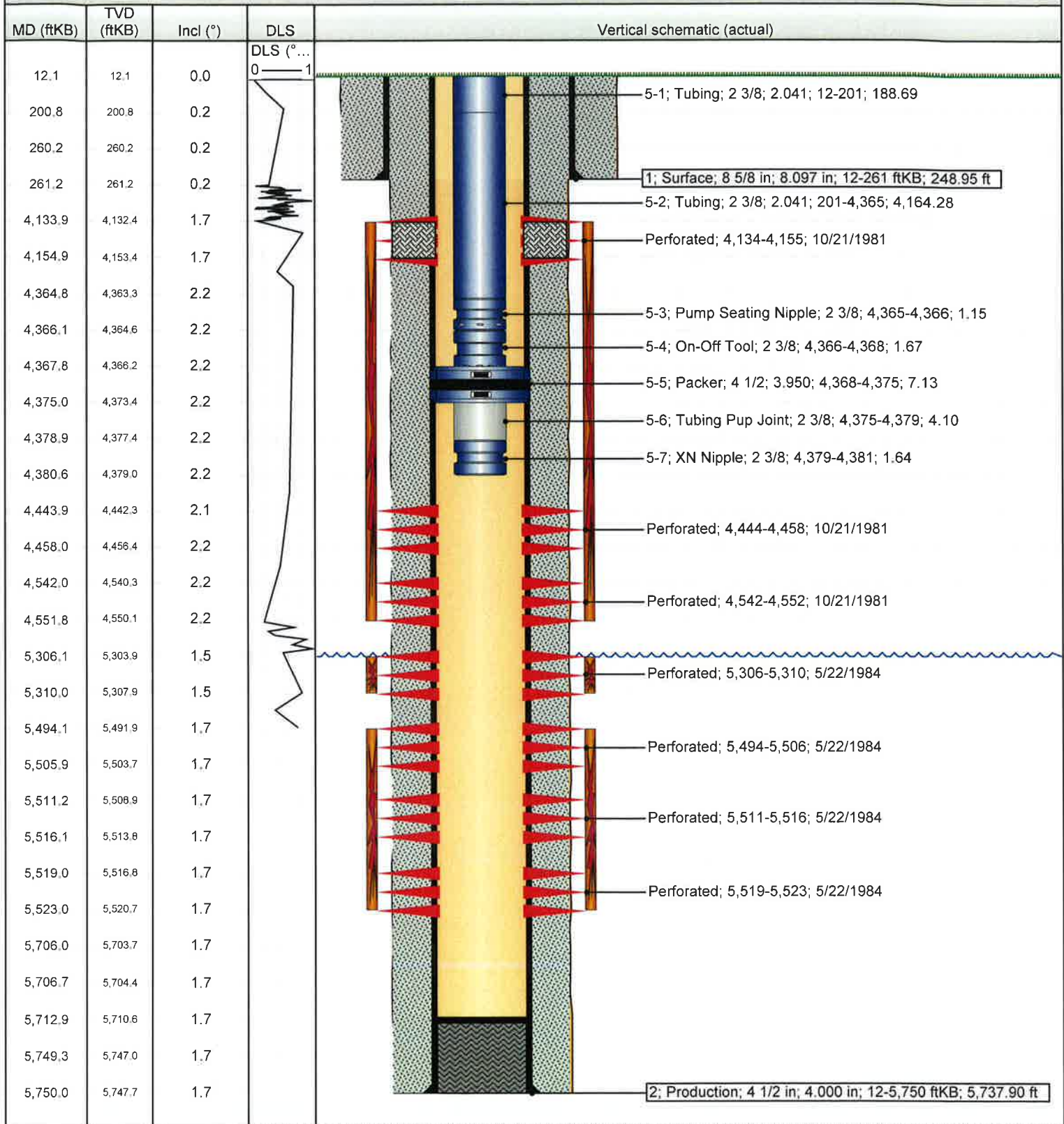
Surface Legal Location 16-9S-17E		API/UWI 43013305720000		Well RC 500150898	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date	Rig Release Date	On Production Date 10/21/1981	Original KB Elevation (ft) 5,289	Ground Elevation (ft) 5,277	Total Depth All (TVD) (ftKB)		PBD (All) (ftKB) Original Hole - 5,713.0	

Most Recent Job

Job Category Production / Workover	Primary Job Type Repairs	Secondary Job Type Tubing Repair	Job Start Date 9/15/2014	Job End Date 9/22/2014
---------------------------------------	-----------------------------	-------------------------------------	-----------------------------	---------------------------

TD: 5,750.0

Vertical - Original Hole, 9/24/2014 12:28:59 PM



NEWFIELD**Newfield Wellbore Diagram Data
K JORGENSEN 16-4-9-17**

Surface Legal Location 16-9S-17E		API/UWI 43013305720000		Lease	
County DUCHESNE	State/Province Utah	Basin Uintah Basin		Field Name GMBU CTB6	
Well Start Date 6/25/1981		Spud Date		Final Rig Release Date	
Original KB Elevation (ft) 5,289		Ground Elevation (ft) 5,277		On Production Date 10/21/1981	
Total Depth (ftKB) 5,750.0		Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,713.0	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	6/25/1981	8 5/8	8.097	24.00	J-55	261
Production	7/24/1981	4 1/2	4.000	11.60	K-55	5,750

Cement**String: Surface, 261ftKB 6/26/1981**

Cementing Company	Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 261.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 428	Class G	Estimated Top (ftKB) 12.0

String: Production, 5,750ftKB 7/24/1981

Cementing Company	Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 5,750.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 450	Class PREMLITE	Estimated Top (ftKB) 12.0
Fluid Description	Fluid Type Tail	Amount (sacks) 405	Class 50/50 POZ	Estimated Top (ftKB) 2,500.0

String: <String?> 5/22/1984

Cementing Company	Top Depth (ftKB) 4,134.0	Bottom Depth (ftKB) 4,155.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks)	Class	Estimated Top (ftKB)

Tubing Strings

Tubing Description Tubing					Run Date 9/15/2014		Set Depth (ftKB) 4,380.7	
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	6	2 3/8	2.041	4.00	L-80	188.69	12.0	200.7
Tubing	132	2 3/8	2.041	4.00	J-55	4,164.28	200.7	4,365.0
Pump Seating Nipple	1	2 3/8				1.15	4,365.0	4,366.1
On-Off Tool	1	2 3/8				1.67	4,366.1	4,367.8
Packer	1	4 1/2	3.950			7.13	4,367.8	4,374.9
Tubing Pup Joint	1	2 3/8				4.10	4,374.9	4,379.0
XN Nipple	1	2 3/8				1.64	4,379.0	4,380.7

Rod Strings

Rod Description				Run Date		Set Depth (ftKB)	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
1	CP5, Original Hole	4,134	4,155	2			10/21/1981
1	CP5, Original Hole	4,444	4,458	2			10/21/1981
1	CP5, Original Hole	4,542	4,552	2			10/21/1981
2	CP1, Original Hole	5,306	5,310	2			5/22/1984
2	A3, Original Hole	5,494	5,506	2			5/22/1984
2	GB4, Original Hole	5,511	5,516	2			5/22/1984
2	D3, Original Hole	5,519	5,523	2			5/22/1984

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1							
2							
2							
1							

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Maxi-o-74 gel Gel 16168 lb; Proppant White Sand 4500 lb
2		Proppant White Sand 26400 lb
2		Proppant White Sand 51480 lb

NEWFIELD**Newfield Wellbore Diagram Data
K JORGENSEN 16-4-9-17****Proppant**

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 198000 lb



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

RECEIVED
OCT 14 2014

OCT 08 2014
DIV. OF OIL, GAS & MINING

Ref: 8ENF-UFO

CERTIFIED MAIL 7008-3230-0003-0724-9325
RETURN RECEIPT REQUESTED

Mr. J D Horrocks
Newfield Exploration Company
Route 3, Box 3630
Myton, UT 84052

16 98 17E

Re: Underground Injection Control (UIC)
Permission to Resume Injection
K Jorgensen 16-4-9-17 Well
EPA ID# UT22197-04498
API # 43-013-30572
Lone Tree Oil Field
Duchesne County, UT

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Dear Mr. Horrocks:

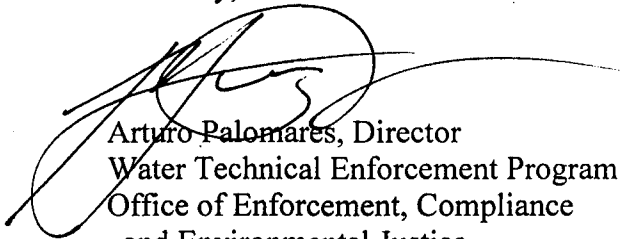
On September 30, 2014, the Environmental Protection Agency received information from Newfield Exploration Company on the above referenced well concerning the workover and the followup mechanical integrity test (MIT) conducted on September 22, 2014. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. § 144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before September 22, 2019.

Pursuant to 40 C.F.R. § 144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless the EPA is notified and procedures are described to the EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. § 300h. Such non-compliance may subject you to formal enforcement by the EPA, as codified at 40 C.F.R. Part 22.

If you have any questions concerning this letter, you may contact Don Breffle at (303) 312-6198. Please direct all correspondence to the attention of Don Breffle at Mail Code 8ENF-UFO.

Sincerely,



Arturo Palomares, Director
Water Technical Enforcement Program
Office of Enforcement, Compliance
and Environmental Justice

cc: Gordon Howell, Chairman
Uintah & Ouray Business Committee
P.O. Box 70
Fort Duchesne, Utah 84026

Ronald Wopsock, Vice-Chairman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Reannin Tapoof, Executive Assistant
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Stewart Pike, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026


Tony Small, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Bruce Ignacio, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Phillip Chimburas, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Manuel Myore, Director of Energy,
Minerals and Air Programs
Ute Indian Tribe
P.O. Box 190
Fort Duchesne, Utah 84026

✓ John Rogers, Associate Director,
Oil & Gas
Utah Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3453B
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: K JORGENSON ST 16-4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1984 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 16 Township: 09.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013305720000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/20/2015	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: 1 YR MIT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 1 YR MIT performed on the above listed well. On 08/20/2015 the casing was pressured up to 1103 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbp pressure was 1524 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04498		
Approved by the August 25, 2015 Oil, Gas and Mining Date: _____ By: 		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 8/24/2015

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 8/20/15
Test conducted by: Riley Bely
Others present: _____

Well Name: K. Jorgensen St. Type: ER SWD Status: AC TA UC
Field: Momument Butte
Location: 16 Sec: 4 T 9 N/S R 17 E/W County: Duchene State: UT
Operator: Riley Bely
Last MIT: 1 / 1 Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☒ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 1102 / 1531 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1531</u> psig	psig	psig
End of test pressure	<u>1524</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1102</u> psig	psig	psig
5 minutes	<u>1103</u> psig	psig	psig
10 minutes	<u>1102</u> psig	psig	psig
15 minutes	<u>1102</u> psig	psig	psig
20 minutes	<u>1103</u> psig	psig	psig
25 minutes	<u>1103</u> psig	psig	psig
30 minutes	<u>1103</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☐ No

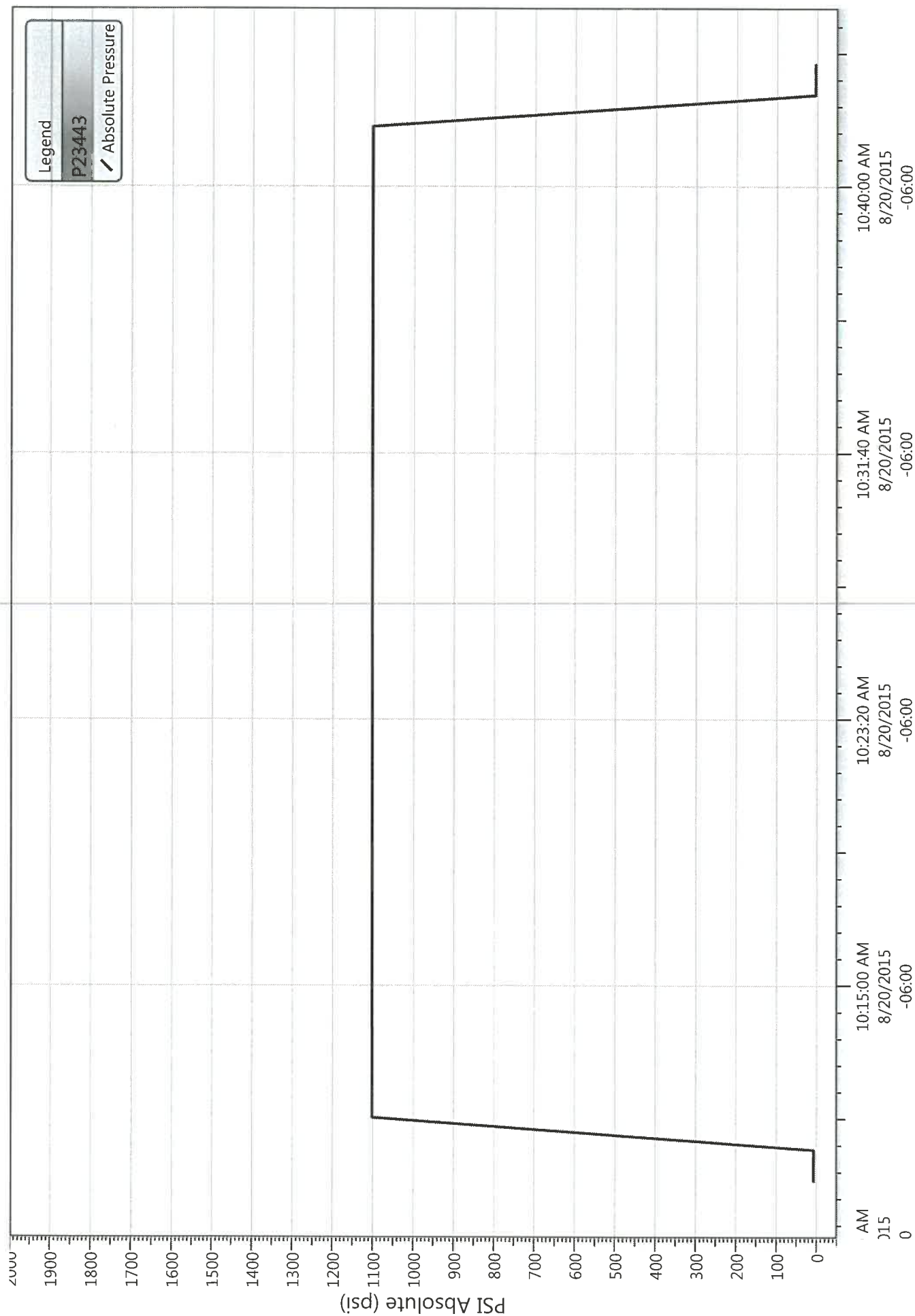
MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

K. Jorgenson St. 16-4 9-17 (5 year MIT 8/20/15)

8/20/2015 10:07:33 AM



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3453B
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3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: K JORGENSON ST 16-4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1984 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 16 Township: 09.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013305720000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/27/2016	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: 1 YR MIT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 1 YR MIT performed on the above listed well. On 07/27/2016 the casing was pressured up to 1063 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1515 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04498		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 28, 2016		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 7/28/2016	

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 7/27/2014
Test conducted by: EVERETT UNRUH
Others present: _____

Well Name: <u>Jorgenson 16-4-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>NESE</u> Sec: <u>4</u> T <u>9</u> N <u>15</u> R <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Newfield</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1562</u>	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☒ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: _____ psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		
Initial Pressure	<u>1516</u> psig	psig	psig
End of test pressure	<u>1515</u> psig	psig	psig
CASING/TUBING	ANNULUS	PRESSURE	
0 minutes	<u>1056</u> psig	psig	psig
5 minutes	<u>1058</u> psig	psig	psig
10 minutes	<u>1059</u> psig	psig	psig
15 minutes	<u>1060</u> psig	psig	psig
20 minutes	<u>1062</u> psig	psig	psig
25 minutes	<u>1062</u> psig	psig	psig
30 minutes	<u>1063</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

Jorgenson St. 16-4-9-17 (7/27/2016, 5yr. MIT)

7/27/2016 9:19:41 AM

